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The



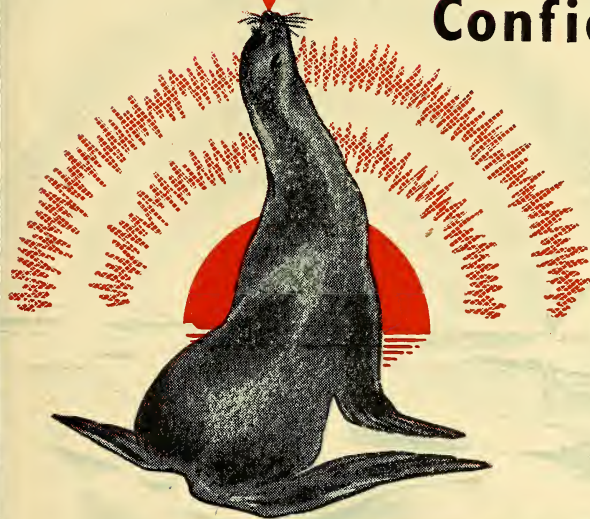
CHEMIST AND DRUGGIST

or RETAILER - WHOLESALER - MANUFACTURER

MAY 15, 1948



The
Seal of
Confidence



with acknowledgements
(if necessary) to
clever advertising

BURGOYNE BURBIDGES
Established 1741. & COMPANY LIMITED, LONDON, E.C.6

Index to Advertisers pp. 5 & 6

Replenish stocks now for the Hayfever Season



'Benadryl'

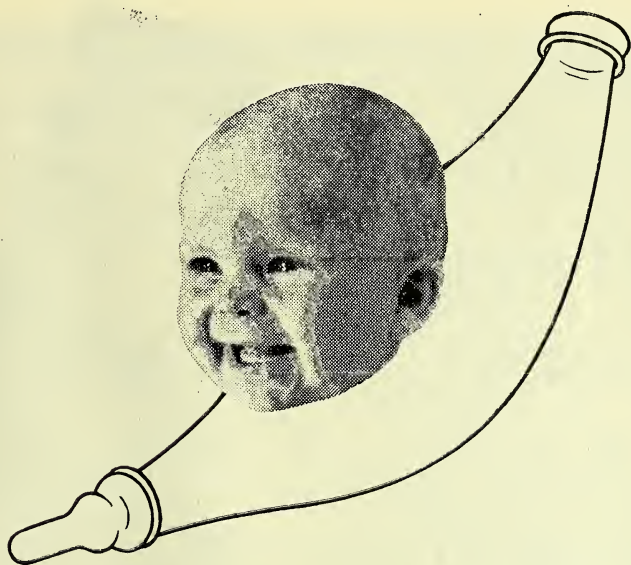
The forthcoming hayfever season, which commences in the South of England about the last week in May, and ends in the North of Scotland towards the end of July, will bring with it an increased demand for 'Benadryl,' the potent original anti-histamine agent.

In anticipation of this, we suggest that stocks be augmented to ensure that all prescriptions are met without delay.

'Benadryl' is available in bottles of 50 and 500 capsules, each containing 50 mgm. or 25 mgm. and as an elixir in bottles of 4 and 16 fl. ounces.

PARKE, DAVIS & COMPANY
50 Beak Street, London, W.1

LABORATORIES: HOUNSLOW, MIDDLESEX. Inc. U.S.A., Liability Ltd.



HIDDEN DANGER OF INFECTED FEEDING BOTTLES...

They may *look* clean and *still* be contaminated and thus be a source of gastric infection (sickness and diarrhoea). Encourage mothers to protect their babies by sterilizing both bottle and teats the MILTON way, which is safe, sure, simple and economical. You can sell an extra bottle of MILTON with every feeding bottle or teat.

Less
to spend
on beauty
means
more

SNOWFIRE SALES



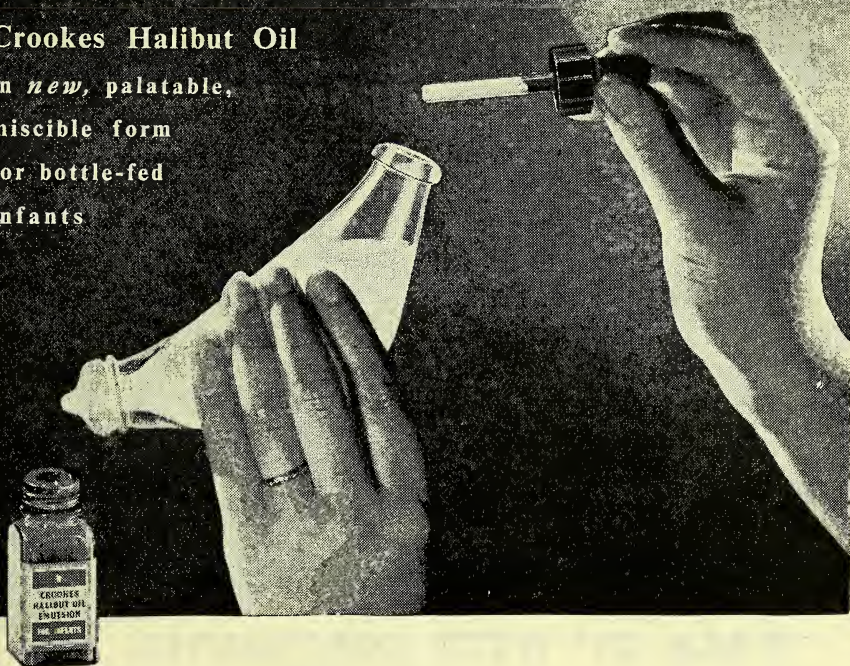
NEW SNOWFIRE packs are colourful, lovely — and all feature this silhouette. Display them — for new customers, more cosmetic profits!

As you know, women are spending their money much more carefully these days. So customers are more than ever interested in Snowfire beauty preparations with their charming new packs and their famous fine quality. No wonder more and more women are buying Snowfire! Be sure your stock of Snowfire beauty preparations is ready for the growing demand.

F. W. HAMPSHIRE & CO. LTD., SUNNYDALE, DERBY.

Crookes Halibut Oil

in new, palatable,
miscible form
for bottle-fed
infants



The richest sources of vitamins A and D—the livers of fish—have always had the disadvantages of strong taste and difficulty of mixing with milk. Crookes have now developed their new Halibut Oil *Emulsion* for Infants to overcome these difficulties. This new Emulsion, which is basically the highly potent Crookes Halibut Oil, mixes immediately with milk and is agreeable to take. Three drops in the infant's feed, for only 4 of the daily feeds, provides 3000 I.U. of vitamin A and 800 I.U. of vitamin D.

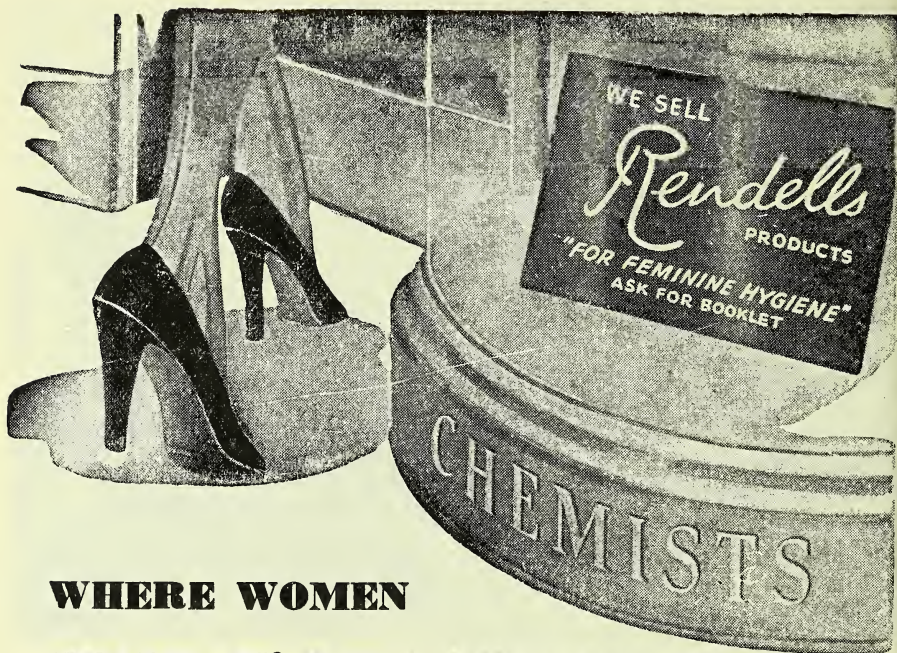
CROOKES HALIBUT OIL EMULSION FOR INFANTS

Obtainable only from Chemists — 3/6d a bottle.

Literature available upon request.



THE CROOKES LABORATORIES LIMITED, PARK ROYAL, LONDON N.W.10



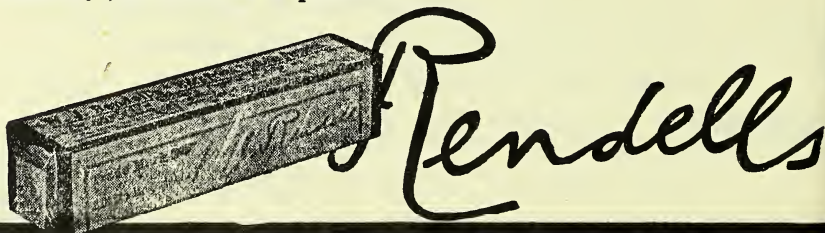
WHERE WOMEN

'WALK IN' WITH CONFIDENCE

For over half a century, women everywhere have had justifiable confidence in the name Rendell's, and in the pharmacist who stocks Rendell's products.

The Chemists displaying Rendell's frequently find this an excellent means of introducing new customers.

If you need further supplies of window and counter display material, just send us a postcard.



NOW WRAPPED IN CELLULOSE FILM AGAIN

W. J. RENDELL LTD., 161 ROSEBERY AVENUE, LONDON, E.C.1

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A NEW DISPLAY AND NEW TERMS FOR SALINAX

A request to the B.D.H. or to the B.D.H. representative will bring you this new showcard to help sales while the seasonal potential is high. New improved bonus terms are now available.

TWO SIZES

16/- doz. Retail 2/2 incl. tax

28/- doz. Retail 3/10 incl. tax

5% discount 3 doz. 7½% discount 6 doz.



THE BRITISH DRUG HOUSES LTD. LONDON N.1

Sal/T 4

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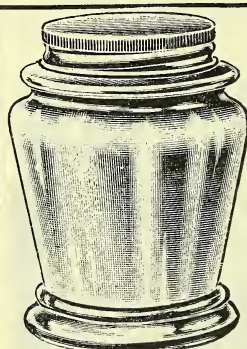


Fig. 415.

FROM STOCK**CREAM JARS**

Fig. 415 2 oz. Size only
33/4 gross.

Fig. 417/sq. $\frac{1}{4}$ 1 2 oz.
26/9 46/- 51/9 gross.

All with enamelled metal screw caps

Special Terms for bulk quantities on request.

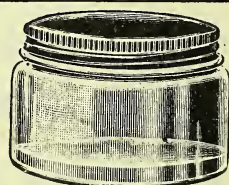


Fig. 417/sq.

CAUSTIC PENCILS

British Pat. No. 497604

The "NOSHOK" (Rubber Set) Practically Unbreakable
Wood case Fig. 2/A. 40% ARG. NIT. 4/9 Dzn.
Plastic " " 2/P. " " 5/6 " (P/T extra)

Send for complete list to:

M. J. FECHER LTD.
121, High Street,
Slough.

Established over 50 years.

Confidence turns into Cash!

Phensic Cassell's Veno's Germolene - Germoloids



The cash you take for these famous Veno products comes over your counter on a tide of goodwill. Don't stem this tide for lack of stock! Order now! **TERMS:** Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.

P.A.T.A.

Veno Drug Co. Ltd., Chester Rd. Manchester. 16.

In the Service of Pharmacy since 1839

• PILLS and • TABLETS

BULK OR PACKED
COATED OR UNCOATED
STANDARD OR SPECIAL
FORMULÆ



CAPSULES and SOLVELLÆ

PHARMACEUTICALS

SUPPOSITORIES

OINTMENTS

Packed SPECIALITIES

'OWN NAME' Formulæ

Arthur H. COX & Co. Ltd.

MANUFACTURING CHEMISTS

BRIGHTON, 7

Medical Specialities

Galenicals

(H.H.&Co.)

*During
Five Reigns*

... doctors and pharmacists
the kingdom over have
prescribed and dispensed
Medical Specialities, Galeni-
cals and Drugs—"H. H.
& Co."—with confidence
in their quality and
reliance upon their efficacy.

Details gladly on request

HOUGH, HOSEASON & CO. LTD.

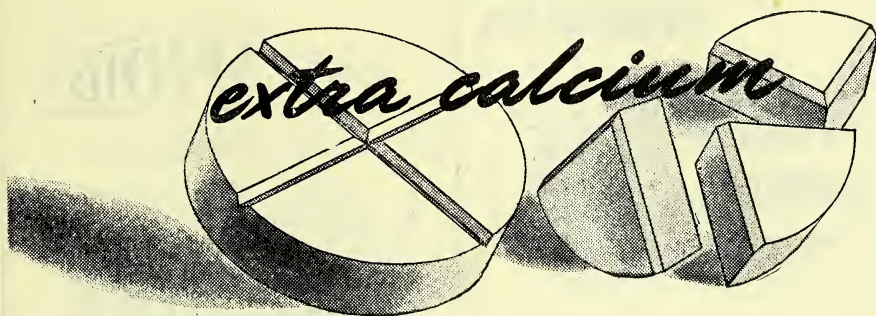
Manufacturing Chemists

ATLAS LABORATORIES,

LEVENSHULME, MANCHESTER 19



when the call is for



For pharmacist and customer alike, Ostocalcium is a *satisfying* preparation. It fulfils its function efficiently, pleasantly and economically . . . that is why Ostocalcium is synonymous with "oral calcium" in the minds of so many doctors.

Each Ostocalcium Tablet yields 125 milligrams of calcium together with 500 i.u. of vitamin D to ensure proper assimilation of the mineral by the body. Mint-flavoured, Ostocalcium Tablets may be chewed or crushed and taken in milk or water, whichever method is most acceptable. The tablets have cleavage lines to facilitate divided dosage. Study the parcel prices below and you will notice that Ostocalcium shows a satisfactory profit-margin as well.

GLAXO

OSTOCALCIUM TABLETS

50, 2/3d. plus 7d. tax

100, 4/- plus 1/- tax

Parcel No. 1

2 doz. x 50's

£1.16.0 plus 13/6d. tax

Parcel No. 2

1 doz. x 100's

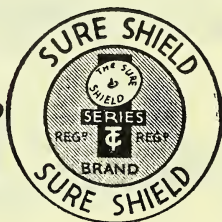
£1.12.0 plus 12/- tax

GLAXO LABORATORIES LTD., GREENFORD, MIDDLESEX. BYRON 3434

A NAME
and a
STANDARD

**"SURE
SHIELD"**

PRODUCTS



'SURE SHIELD'
**IODISED THROAT
TABLETS**

'SURE SHIELD'
FRUIT LAXATIVES

'SURE SHIELD'
**GLYCERINE of THYMOL
PASTILLES**

**LOZENGES. PASTILLES.
TABLETS.**

IN BULK and ATTRACTIVE PACKS

DELIVERIES. The position is now much improved. Although we are producing to our full capacity we still have to take orders in rotation and are making every effort to maintain an equitable distribution of our **PRODUCTS.**

Thos. Guest & Co. Ltd. *Manufacturing Chemists*
Carruthers Street, Manchester, 4

GLANOID

FLAVOURED

**ESSENCE OF
RENNET**

**RASPBERRY, STRAWBERRY,
LEMON, ORANGE,
VANILLA**

1 OUNCE BOTTLES
sufficient for 8 pints of Junket

RETAIL

2/3

PER BOTTLE

SAMPLE ON APPLICATION

SUPPLIES AVAILABLE

THE

Armour Laboratories
(ARMOUR AND COMPANY LTD.)

LINDSEY STREET · LONDON · E.C.1

Telephone - - - CLERKENWELL 9011

Telegrams - "ARMOSATA-PHONE," LONDON



Another Brilliant Packaging Triumph by MAW!



THE NEW **meritor** TOOTHBRUSH CARTON and DISPLAY OUTER

Designed by famous packaging
experts, Design Group Ltd.

- DYNAMIC
- DIGNIFIED
- PRACTICAL

Meritor Toothbrushes are now dynamically repackaged in a new twin window Carton.

Design Group Ltd., famous design consultants, were commissioned for this job. The colour scheme is an unusual combination of light green, dark green and red and the whole effect is striking but dignified. A novel cut-out holds the brush firmly in position and both the head and handle are visible. Each Carton is transwrapped.

PUT THE MERITOR TOOTHBRUSH SALES OUTER IN A PROMINENT POSITION

★ Over 230,000,000 advts. are appearing in the Press and Periodicals in 1948

LINK UP AT POINT OF SALE WITH THIS
ADVERTISING-CREATED PUBLIC DEMAND

S. MAW SON & SONS LTD. BARNET, HERTS

For Immediate Delivery

The Macaulay Range

Macaulay's Lung Syrup
Macaulay's Bronchial Tablets
The Bronchial Mixture for Diabetics
The Tonic Elixir

B.P. Chemicals A. & W.

Bicarbonate of Soda
Epsom Salts *Boracic Powder*
Boracic Crystals
Glauber Salts *Borax*
White Fullers Earth

Tablets

Retrodol *Aspirin*
Effervescent Sulphur Lime Tablets

Toilet Products

Fairtasy Face Powder
Fairtasy Lipstick

The Allcock Range

Ashley & Weeks Ltd. are Sole Distributors
 in Great Britain for :—
Scan Eye Lotion
Nailoid *Velvs* *Tubol*

ORDER FROM YOUR WHOLESALE OR DIRECT FROM:

Ashley & Weeks Limited

165 Mitcham Road, London, S.W.17 Telephone: Balham 4416

Summer's coming . . .

so are the insects
and so are the sales of

SKREEN

ODOURLESS INSECT REPELLENT

A Demuth "Plus" Product.

Screens the skin from gnat, midge,
mosquito and fly bites, **and** from
sunburn soreness.

4 oz. bottles 19/6 per dozen plus 6/6 Pur. Tax.
 Retailing at 3/- each including Tax. Shows you 10d.
 profit per bottle sale. Special Bonus terms for orders
 of 6 doz. or more. Attractive show stands available.

R. DEMUTH LTD.
 FARNHAM, SURREY... Farnham 5194

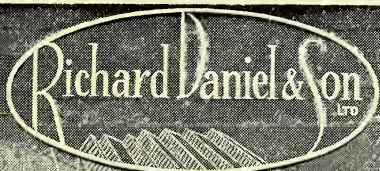
The "Best-Seller" that is FREE!

The demand for the booklet—"How to make the most of your Stergene"—has proved so widespread that we are now endeavouring to supply Retailers with copies for free distribution on their counters. An attractive holder is provided and our salesmen will refill this on their calls. The booklet clearly shows how a hundred-and-one jobs in the home can be done more easily with Stergene. Not a soap or a substitute, this unique washer and cleanser is the final answer of Science to the domestic problem.

DOMESTOS

LIMITED

COLLEGE WORKS, NEWCASTLE-UPON-TYNE, 6



PROPRIETARIES
SUNDRIES DRUGS
TABLETS & PILLS

FOR
CHEMISTS

*Manufacturing
Chemists*

Head Office & Works Mansfield Road Derby Telephone 4266 (3 lines) Branch Warehouse Grosvenor St. Ashton & Lyne Telephone 2816 (2 lines)

Meet the

constant

demand

for a

Sanitary

Towel of QUALITY with

★ THE QUALITY of Silcot Towels is appreciated today by more women than ever. The cotton wool used in their manufacture, combined with the smooth knitted covers, ensures a degree of comfort which is not surpassed.

★ A feature of Silcot is the stitched loops. These are sewn to the cover, and make the towel safe and dependable in wear.

Silcot towels are available in five different sizes, including Maternity pads, which are of suitable thickness and absorbency.

SILCOT

URGENT

Empty ANDREWS cases *please*

For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/twd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.

Andrews House, Newcastle-on-Tyne, 2
T.II.

★ April 1948 Budget ★

"Vaseline"

BRAND

PREPARATIONS

AND

PINEOLEUM BRAND PRODUCTS

Retail Price
Inc. P. Tax

*"Vaseline" Blue Seal Yellow Petroleum Jelly Bottles.	
No. 1 size bottles	6½d.
*"Vaseline" Yellow Petroleum Jelly Tins.	
*No. 1 size tins	3½d.
1 lb. tins, round	2/6d.
*"Vaseline" White Petroleum Jelly.	
*No. 1 size tins	4½d.
*No. 1 size bottles	7½d.
*No. 2 size tubes	1/3d.
1 lb. tins, round	3/4d.
*"Vaseline" Borated Petroleum Jelly.	
Tubes	1/3d.
*"Vaseline" Capsicum Petroleum Jelly.	
Tubes	1/3d.
*"Vaseline" Carbulated Petroleum Jelly.	
Tubes	1/3d.
*"Vaseline" Camphor Ice. Card boxes...	9d.
*"Vaseline" Hair Tonic.	
No. 1 size bottle	2/7½d.
No. 2 size bottle	4/4½d.
*"Vaseline" Soapless Shampoo. Packets	5d.
‡Pineoleum Brand Nebulizer Outfit, with and without Ephedrine.	
Outfit, complete with inhalant, in carton	11/8d.
‡Pineoleum Brand Inhalant with and without Ephedrine.	
100 c.c. bottle, in carton	6/3d.
15 c.c. bottle with dropper	2/3d.
‡Pineoleum Brand Ephedrine Jelly.	
Collapsible tube with applicator	1/7d.

* On **PATA** List.

† On  List.

CHESEBROUGH MANUFACTURING CO., LTD.
Victoria Road, Willesden, N.W.10

We regret that restrictions only permit us to accept orders through our representatives, on their regular visits.

Sole Distributors for BAYBANK PHARMACEUTICALS
Inc. (Pineoleum Brand Products)

A Valuable Addition to the Dietary

A Delicious, Concentrated, Vitamin Food for Infants, Children & Adults

*A Product of the
Ovaltine Research Laboratories*

BY presenting valuable nutritive elements and important vitamins in a delicious form, "Vimaltol" offers special advantages in everyday practice to the physician. With its delightfully sweet orange flavour, "Vimaltol" is readily acceptable to every patient.

"Vimaltol" is made from specially prepared malt extract of high protein content, yeast—one of the richest natural sources of Vitamin B₁—and Halibut Liver Oil, an important source of Vitamins A and D. It is also fortified with additional vitamins and mineral salts, and is deliciously flavoured with orange juice.

"Vimaltol" has, therefore, an important therapeutic value where the deficiency of certain essential food elements in the dietary has resulted in abnormal conditions. Its regular use assists the development of the growing organism and the maintenance of correct metabolism while raising the general resistance against infection.

"Vimaltol" has thus a very wide application in practice for children and adults of all ages. It can be prescribed with advantage at all seasons.

On the **P.A.T.A.**

Wholesale Prices:

1 lb. Jars 27/-; 2 lb. Jars 49/6
(Exempt from Purchase Tax)

Retail Prices: 1 lb. Jars 3/-; 2 lb. Jars 5/6

For further details write to:

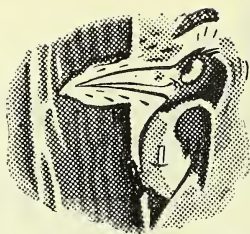
A. WANDER, LTD., 5 Albert Hall Mansions, S.W.7

M346

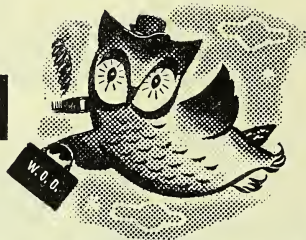


The "Ovaltine" Factory
in a Country Garden.





Mr. Woodpecker and Mr. Owl



join Alka-Seltzer sales staff

Have you met them—two new members of Alka-Seltzer's all-star selling team? Look out for them in the sparkling new series of ads. now appearing in the big national dailies—they're already swinging into their job of stepping up your Alka-Seltzer sales. Notice how these interesting ads. put over the Alka-Seltzer sales appeal—how they sing out from the paper and send the sales-story home.

Turn smiles into sales!

More and more of your customers will want to see for themselves how quickly Alka-Seltzer relieves the discomforts of a cold, indigestion, headaches, everyday

aches and pains. And you can sell and recommend Alka-Seltzer confidently—it's a unique combination of aspirin, sodium bicarbonate and citric acid in a chemically stable effervescent tablet.

Ample supplies—display discounts

Good supplies of Alka-Seltzer are coming from the new factory at Bridgend. Tie up with this new advertising campaign—check your stocks and put in a display! Write for trade price list and details of display discounts to Don S. Momand Ltd., 57 Albany Street, London, N.W.1. Sole Distributors for Miles Laboratories.

Upset tummy?...head aches?.

Alka Seltzer

Alka-Seltzer...on the job!

Indigestion? Stomach ailment? An Alka-Seltzer tablet in a glass of water will soon make you feel better. First, Alka-Seltzer's a double-action product. Then it neutralizes excess acid, eases the heart of your digestive. Try it. Millions and millions.

Aching head?...fit to split?.

Alka Seltzer

Alka-Seltzer...fighting fit!

Head throbbing? Feeling split? An Alka-Seltzer tablet in a glass of water will make you feel better. First, Alka-Seltzer's a double-action product. Then it neutralizes excess acid, eases the heart of your digestive. Try it. Millions and millions.



PHENOVIS' brand PHENOTHIAZINE

Originally prepared in Great Britain in the research laboratories of I.C.I., 'Phenovis' is now established as the best anthelmintic for sheep and cattle.

It is most conveniently given as a drench, made by mixing 'Phenovis' dispersible powder with water.

Packings:

Cartons of 30 grammes—Tins of 1 lb. and 7 lb.



A 'Phenovis' dosing table, literature and further information available on request from your nearest I.C.I. office:—
London, Bristol, Manchester, Glasgow, Edinburgh, Belfast and Birmingham.

IMPERIAL CHEMICAL [PHARMACEUTICALS] LTD.

(A subsidiary company of Imperial Chemical Industries Ltd.)

MANCHESTER

Ph.257

The Great Spring Clean is on the way

HOUSEWIVES will need these Six Scrubb's Household Cleaners.



Stock your shelves
NOW and be ready for
the demand we are
creating by extensive
Advertising throughout
the country.

SCRUBB'S

CLOUDY AMMONIA
PAINT & ENAMEL CLEANER
WINDOW CLEANER
DRY CLEANER
FURNITURE CREAM
SILVER & PLATE CLEANER

• **FREE TRIAL OFFER.** To prove the qualities of our Products we will gladly send you a trial bottle of each cleaner, except ammonia. Regulations won't allow us to send this product.

CHEMICAL & NATURAL PRODUCTS LIMITED, WIMBLEDON FACTORY ESTATE, LONDON, S.W.19.

Special Bonus Offer

This season's bonus offer means increased profits for this popular quick-selling line.

ESōBAN Cream OF CALAMINE

BONUS OFFER

14 to the doz. 6 doz. and over

13 to the doz. 3 doz. and over

For a two weeks' window and counter display.

Through all C.F. wholesalers.

Show material will be sent direct on request.



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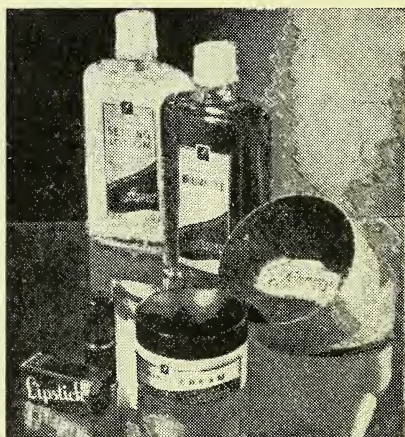
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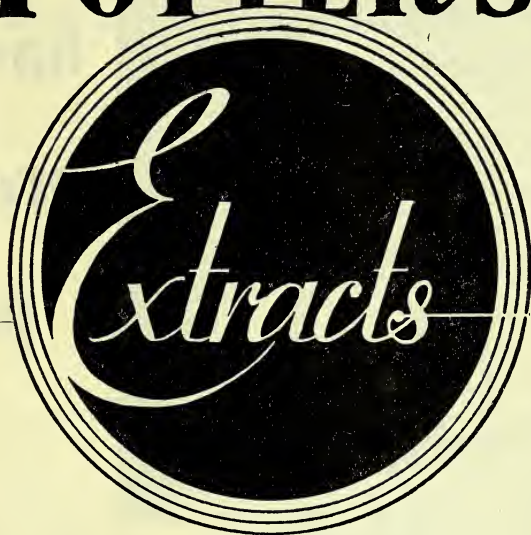
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NEWS OF THE WEEK

January-March Exports. — The index number for the volume of exports of British manufactured chemicals, drugs, dyes and colours during the first quarter of 1948 (1938=100), was 149, against 153 and 139 for the third and fourth quarters respectively of 1947. On the basis of average values, the index number for the quarter was 230 against 223 in the third quarter of 1947 and 226 in the fourth.

Scientific Information Conference.—A conference on scientific information services, attended by representatives of the English-speaking countries, is being held in London, June 21-July 2, under the auspices of the Royal Society, to which application for tickets should be made. The conference is to meet in four sections, dealing with: (1) Publication of original papers; (2) abstracting services; (3) indexing and library services; (4) reviews, annual reports, etc.

Co-ordination of Pricing Bureaux.—To co-ordinate the work of pricing bureaux serving the National Health Service, the Minister of Health has decided to set up a joint

committee consisting of thirteen members elected on a regional basis by Executive Councils and four pharmacists appointed by the Minister after consultation with the Contractors' Negotiating Committee. The election is to be conducted under the auspices of the National Association of Executive Councils.

Doctors and N.H.S. — Discussions between representatives of the British Medical Association and of the Ministry of Health on a Bill to amend the National Health Service Act, 1946, began in London on May 7. [The B.M.A. Council accepted on May 5 the Minister's invitation to discuss an amending Bill, and recommended that the B.M.A. Representative Body should advise members to co-operate in the service on the understanding that the Minister should continue to negotiate on outstanding matters. In the B.M.A.'s most recent plebiscite, 9,588 general practitioners voted against accepting service; 13,000 such votes were necessary for the B.M.A. to advise all general practitioners to remain outside.

LOCAL NEWS

West Ham Officers. — The following have been elected officers of the West Ham Association of Pharmacists for 1948-49: *President*, Mr. G. P. Bowen; *Vice-presidents*, Messrs. Stanley Robinson and J. Reed; *Treasurer*, Mr. J. Reed; *Secretary*, Mr. W. H. Cloud, 45 Longbridge Road, Barking, Essex.

Nottingham Employees' Protest. — A meeting held in Nottingham on May 4 under the auspices of the Association of Pharmaceutical Employees, was addressed by Mr. J. Gilmour (Union of Shop, Distributive and Allied Workers). A resolution was passed protesting at the exclusion of retail employees from the Pharmaceutical Functional Council.

Channel Islands "Seaweed" Stamp. — The design of postage stamps issued to commemorate the third anniversary of the liberation of the Channel Islands incorporates a picture of islanders gathering seaweed. [An account of the part played by Channel Island pharmacists in preparing the edible seaweed *Chondrus crispus* for use as a food during the occupation was given in the *C. & D.*, 1945.II:587.]

Port Sunlight Dance. — The Birkenhead and Wirral Pharmacists' Association held its second annual dance of the session at Port Sunlight on April 16. The 330 guests included chemists from Liverpool, Heswall and Wallasey, and a party of sixteen from Chester. The arrangements were made by Messrs. R. J. Price (president) and J. W. Waterworth (social secretary). More than £50 was raised for charity.

"President's Prize" at Durham. — An annual prize, value £2 2s., is to be presented to the best pharmaceutical student at the Pharmacy Department, Sunderland Technical College, as the gift of Mr. W. Hindson (immediate past-president of the Durham County Branch of the Pharmaceutical Society). The award is to be known as the branch president's prize. At the annual meeting of the Branch recently, the following officers were elected: *President*, Mr. R. Gibson; *Vice-president*, Mr. E. Richardson; *Treasurer*, Mr. F. T. Richardson; *Secretary*, Mr. L. Wood, Woodbine House, Old Hunwick, nr. Willington, co. Durham.

Jersey C.F. Development. — Mr. R. C. Feather (president, Chemists Federation), was the speaker at a meeting of the Jersey Branch of the Pharmaceutical Society held

recently, at which Mr. R. C. L. Gould (chairman) presided. Mr. Feather outlined the history of the Federation and described its objects and rules. The following local C.F. committee was then elected: *C.F. Council's nominees*, Messrs. Mark Renouf (Renoufs, Ltd.) and H. A. Greene (Meggsen & Co., Ltd.); *Retail members*, Messrs. D. Dodsley, A. H. Spence and P. A. Larbalestier. On the following evening Mr. Feather was the guest of the Jersey Branch at a dinner and whist drive.

Talk by Middlesbrough M.O.H. — At a meeting of the Tees-side branch of the Pharmaceutical Society held in Middlesbrough on May 5, Dr. C. L. Elder (medical officer of health for Middlesbrough), speaking on the National Health Service, said he did not anticipate any rapid building of health centres, and chemists should have an opportunity to get well entrenched in the new service. While he could give no opinion as to what effect the new service would have on the selling of proprietary medicines, he thought many pharmacists would develop the wider professional opportunities of the service. Extended hours of service were not likely to be demanded from chemists; the present rota system had been shown to work.

Address by Leeds M.O.H. — Some 130 members attended a meeting of the Leeds Branch of the Pharmaceutical Society on March 25 when Dr. I. G. Davies (medical officer of health for Leeds) discussed the National Health Service. Answering questions, he said that, in his opinion, the function of clinics was to disseminate knowledge and advice to the public, and not to distribute drugs, baby foods, etc. It would be a long time before health centres could be built. The question how many unqualified dispensers could be supervised by each qualified pharmacist, especially in health centres, would be considered. A vote of thanks to the speaker was proposed by Mr. T. Heseltine (a member of the Society's Council).

Dartford Refresher Course. — The second refresher course to be held by the Dartford Branch of the Pharmaceutical Society was completed recently at the Dartford Technical College. Arranged by Mr. J. H. Barr, M.Sc., F.R.I.C. (head of the College's science department), it was attended by thirty-five members who maintained a full attendance throughout. The course consisted of three lectures on each

of the following subjects: Human physiology (by Mr. R. M. Thorp, B.Sc.); bacteriology (by Mr. K. R. Capper, B.Pharm., Ph.C.); pharmaceutical engineering (by Mr. W. C. Peck, M.Sc., M.I., Chem. E.); and veterinary medicine (by Mr. H. E. Bywater, M.R.C.V.S.). It is hoped that a further course will be arranged for the winter season 1948-49.

SCOTTISH NEWS

Edinburgh Branch Officers.—At the annual meeting of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society held recently, the following officers were elected:—*Chairman*, Mr. J. C. Somerville; *Vice-chairman*, Mr. George Hedderwick; *Secretary* and *Treasurer*, Mr. Charles G. Drummond.

Dr. McCall in Dundee.—At the annual meeting of the Dundee and East and Central Scottish Branch of the Pharmaceutical Society held on April 15, Mr. A. R. Lowson in the chair, the following officers were elected: *Chairman*, Mr. G. Mitchell, Perth; *Vice-chairman*, Miss G. M. Jenkins, Dundee; *Joint Secretaries*, Mr. C. W. MacFarlane, Dundee, and Miss E. Fyfe, Dundee. Messrs. C. W. MacFarlane and J. Anderson were appointed delegates to the Branch Representatives' meeting to be held in London on May 20. Dr. D. McCall discussed "Current Pharmaceutical Affairs" and answered questions. He said that nothing in the National Health Service Act limited the insured person's choice of a chemist. No doctor would be allowed to dispense medicines except in areas where no pharmaceutical service was provided. It was probably not feasible, even if desirable, that a chemist should be paid a basic salary. Adequate remuneration for services rendered should be aimed at. There should be no special inspection of pharmacies under the Act, but there would be arrangements for testing prescriptions. A new National Formulary might be produced but its use by doctors need not be compulsory. Arrangements for hours of service, rotas, etc., would be dealt with by the Executive Councils in consultation with local Pharmaceutical Committees. If local Pharmaceutical Committees in Scotland were given a new constitution, provision might be made for the representation of employee pharmacists. There would be no limitation of pharmacies. For repeats of original "private" prescriptions held by chemists, insured persons would need new prescriptions under N.H.S.

OVERSEAS NEWS

Chemicals Decontrolled in France.—The French Price Directorate has decided to end price control on certain metals and chemical products, including bismuth, mercury salts and hydrochloric acid.

Spanish Pharmaceutical Industry.—A recently formed Spanish company, Laboratorios Azomón, Barcelona, is to manufacture a range of pharmaceutical products, including sulphonamides. The company is also to market Paludrine and cyclopropane.

German Insulin Imports.—Production of insulin in Bizonia in 1948, originally expected to reach 220 million units, is now unlikely to exceed 160 million units. It is thought that imports for the year, originally fixed at 292 million units, will accordingly be increased to 352 million.

Indian Quinine Controls.—Indian importers of quinine salts are no longer required to sell 60 per cent. of their imports to the Government at prescribed rates and the rest to approved persons or institutions. A new ruling requires importers merely to submit quarterly reports of their sales. Licences continue to be needed for quinine imports.

Swiss Chemical Industry.—Reports from Switzerland state that home market supplies of chemicals are ample except for some pharmaceuticals such as phenazone and phenacetin; there is also a shortage of oils and fats, and of glycerin. Lower prices quoted for imported chemical products have compelled Swiss manufacturers to reduce some quotations. In the export market, U.S. competition has made itself increasingly felt.

South African Conference.—The third annual meeting of the Pharmaceutical Society of South Africa was held in Cape Town from April 14-17, over fifty delegates from the thirteen branches attending. Many delegates opposed the policy of the Department of Health in providing dispensing services at health centres, claiming that it resulted in dispensing by unregistered people. A recommendation was put forward that legislation should be introduced to prevent the indiscriminate use by the public of drugs such as sulphonamide and barbiturate compounds, and among other matters dealt with was the distribution of contraceptives and proprietary medicines. On behalf of the Society the president welcomed immigrant pharmacists arriving in the Union.

BRANCH AND ASSOCIATION ANNUAL MEETINGS

Scarborough Branch. — At the annual meeting of the Scarborough Branch of the Pharmaceutical Society recently, the following officers were elected: *President*, Mr. F. C. Rimington; *Vice-presidents*, Miss K. P. Wrightson and Mr. F. Holt, Bridlington; *Treasurer*, Mr. H. M. Hirst; *Secretary*, Mr. F. J. Hobson; *Assistant Secretaries*, Messrs. E. E. Hunt, Scarborough, and B. T. Holroyd, Bridlington; *Social Secretaries*, Messrs. H. Walker and A. Walker.

North-eastern Public Pharmacists. — At the annual meeting of the North-eastern Branch of the Guild of Public Pharmacists, held in Leeds on April 24, the following officers were elected: *Chairman*, Miss L. N. Firth; *Vice-chairman*, Miss M. Speed; *Secretary*, Mr. J. Myers; *Treasurer*, Mr. A. Sutcliffe. The following were nominated for the Guild's Council: Mr. A. N. Stevenson (district member) and Miss L. N. Firth (ordinary member). A cheque was presented to Miss D. Bellamy in appreciation of her work as secretary since the inauguration of the branch in 1942. At a dinner held after the meeting, the guests included Messrs. T. Heseltine (a member of the Pharmaceutical Society's Council) and G. C. Crum-mack (chairman, Leeds Branch of the Society).

North Staffordshire Branch. — At the annual meeting of the North Staffs Branch of the Pharmaceutical Society, Mr. T. G. Lawley presiding, Mr. R. A. Hackney (the retiring secretary) was presented with a grandmother clock by Mr. J. A. Dale on behalf of members of the branch. Mr. Dale referred to Mr. Hackney's successful ten years as secretary, during which he had gained the goodwill and friendship of all by his cheerfulness, pleasantness and efficiency. Mr. Hackney expressed his thanks for the gift. The following officers were then elected: *President*, Mr. R. A. Hackney; *Senior Vice-president*, Mr. B. J. Browning, Newcastle; *Junior Vice-president*, Mr. C. E. Turner, Stoke-on-Trent; *Treasurer*, Mr. J. S. Mott, Wolstanton; *Secretary*, Mr. H. E. Denby, 4 Watlands View, Porthill, Stoke-on-Trent; *Assistant Secretary*, Mr. T. G. Lawley, Stoke-on-Trent. Mr. T. Reid (a member of the Society's Council) then gave an address on "Current Pharmaceutical Affairs."

Portsmouth Association. — At the thirty-eighth annual meeting of the Portsmouth and District Chemists' Association held in Southsea on April 20, the following officers were elected: *President*, Mr. E. B. Johnson; *Vice-president*, Mr. P. Howes; *Secretary*, Mr. A. G. Bradburn, 147 Albert Road, Southsea; *Treasurer*, Mr. N. L. Banks. The continued need for the Association was stressed by the retiring president (Mr. Bradburn) who referred to its origin in 1909. Since then, he said, pharmaceutical organisation had developed along divergent channels and 100 per cent. membership was now of great importance. Other speakers welcomed a recent reorganisation which allowed proprietors from Gosport and districts outside the city boundaries to link up with the Association. As the result of a collecting box scheme sponsored and superintended by Mr. R. G. Tremlett, £23 had been collected for the Pharmaceutical Society's Benevolent Fund.

Hendon and Edgware Branch. — At the annual meeting of the Hendon and Edgware Branch of the Pharmaceutical Society recently, information on the National Health Service was given by members of the Middlesex Pharmaceutical Committee. Mr. J. Anderson Stewart urged that the report of the Working Party (see *C. & D.*, April 17, p. 503, and April 24, p. 536) should be studied closely. Mr. E. Ratcliffe said that for late duties there would almost certainly be a rota system spread over a large number of pharmacies. The slightly longer journey for the patient would tend to eliminate any call for non-urgent prescriptions during rota hours. It was curious, said Mr. Ratcliffe, that before the war it had been necessary to canvass chemists to agree on early closing; now canvassing was necessary for them to agree on a late-duty rota. Mr. J. C. Young thought that delay in announcing terms of remuneration might mean that when they were published they would prove inadequate; payment for National Health Insurance dispensing had always been too low. The following officers of the branch and Association were elected: *Chairman and President*, Mr. H. C. Mantripp; *Vice-chairman and Vice-President*, Mr. G. R. A. Short; *Vice-president*, Dr. T. E. Wallis; *Secretary*, Mr. S. E. Beaton, Edgware; *Treasurer*, Mr. S. I. Cooper.

TOPICAL REFLECTIONS

Mechanics in Medicine

Your report of the "Health of the People" Exhibition (p. 586) includes a mention of a "mechanical man" who "demonstrates and explains the working of the human body" and of a "press-button quiz which answers questions on the National Health Service." It is to be hoped that this enlistment of mechanics as an adjunct to public health will be kept under scrutiny, and, incidentally, that chemists will decline to instal any such contraptions in their shops. There is a risk that standardisation, a necessary policy in the preparation of medicaments, may be carried to excess in the new Health Service, and that it may even lead to a call for the supersession of individual treatment by rigid formulas and ever-increasing mechanisation. That this is no figment of imagination is shown by a news item appearing in the Press last week. It is reported that the Australian Medical Association has, through its council, instructed its members to return prescription forms for free medicine sent them by the Federal Government, the point at issue being a proposed restriction to the contents of a formulary in prescribing. Does any thinking person suppose that a similar situation could not arise in Great Britain? If it did, what would be the effect on N.H.S. patients? Pharmacists have an interest in this subject.

Council Election

Before your next issue appears the result of this year's election to the Council of the Pharmaceutical Society will be known. In emphasising, twelve months ago, the duty of voting in that year's election, I referred to suggested changes in the Society's constitution and to its financial position. Those considerations are equally relevant now. Most members of the Society are, if I am not mistaken, expecting more details than have so far been disclosed about the revision of the constitution. The revision, when effected, will have to serve for many years unless some unforeseen contingency occurs. Vigilance in watching the fluctuations of the Society's finances from year to year is raiseworthy, and members who are not sure of the meaning of certain entries need not hesitate to ask questions about them. I return to a matter briefly touched on a year ago—the extent to which an infusion

of new blood is desirable. Assuming that all the seven retiring councillors should, other things being equal, be re-elected, the duty of examining their statements and those of the other candidates, published in your two last preceding issues, remains. The principal questions thus arising are, in my submission: (1) Will any part of the country be over-represented if all the seven retiring councillors are re-elected? (2) Have any of the new candidates claims entitling them to displace some of the seven? Electors should supply their own answers and vote accordingly.

Departmental Rulings

The strange ruling of the Board of Customs and Excise that a pair of military hairbrushes constitutes a toilet set (p. 601) is another of those departmental vagaries that sometimes make us laugh and at other times almost reduce us to despair. The decision referred to reminds me of a caption that appeared in "Punch" several years ago, in which a railway porter, after running through a classification of merchandise conveyable by rail, laid it down that "tortoises is hinsects." I fear that except for a question in Parliament, little can be done about the hairbrush trouble till the Department changes its mind. Manufacturing, wholesale and retail chemists had much experience of a similar kind during the long run of the late lamented Medicines Stamp Acts. A few of the exemptions granted were more favourable to the trade than might have been expected: instances will readily occur to those of your readers who had an extensive trade in proprietary medicines. On the other hand, the screw was tightened from time to time by new interpretations. In 1885 chemists protested, by means of a deputation to the Board of Inland Revenue (then administering the Acts) against arbitrary decisions on liability to duty. In 1912 Sir Nathaniel Highmore, solicitor to the Board of Customs and Excise, told a Select Committee of the House of Commons that one of the exemptions then in force was far too wide. In 1930 came the ukase that henceforth "a definite and complete statement of the actual ingredients" of every known, admitted and approved remedy must appear on labels, cartons and so forth, and that the required statement must be legible and conspicuous. The recollection of such experiences may assist the trade if not reassure it. **Xrayser**

BIRTH

WALDON.—On April 21, Patricia, the wife of Harold E. Waldon (a representative of J. C. Eno, Ltd.), 21 Deer Barn Road, Guildford, of a daughter (Avril).

MARRIAGE

MACHELL-YEOMANS. — In Manchester, on May 6, Donald Machell, M.P.S., 17 Worsley Avenue, Moston, Manchester, 10, to Stella Yeomans, M.R.C.S., L.R.C.P., Moston.

DEATHS

ARNFIELD.—On May 5, Mr. Thomas Owen Arnfield, 18 Parsonage Road, Heaton Moor, Stockport, Cheshire, formerly joint managing director of J. C. Arnfield & Sons, Ltd., aged sixty-five.

BOUCHER.—On May 7, Mr. John Mycroft Boucher, Ph.C. (a director of Ferris & Co., Ltd., Bristol), aged seventy-seven. Mr. Boucher qualified in 1891 and passed the Pharmaceutical Chemist examination the following year.

CLENT.—At St. Anne's sanatorium, Virginia Water, Surrey, on April 17, Mr. Albert Howard Clent, M.P.S., 15 Park Road, Heaton Moor, Stockport, Cheshire, aged seventy.

PAUL.—At Town and County Hospital, Nairn, on May 1, Mr. William Dunn Paul, M.P.S., 44 High Street, Nairn. Mr. Paul qualified in 1912.

ROWSELL.—At his home, 83 South Norwood Hill, London, S.E.25, on May 4, after a short illness, Mr. Harold Rowsell, aged seventy-two. Mr. Rowsell was well known in Mincing Lane, where he had been in business for nearly sixty years, having joined his father (whose business in shellac, gums, etc., he eventually took over) at the age of thirteen and a half. Mr. Rowsell was on the livery of the Distillers' Co. He was also a Freemason.

PERSONALITIES

LORD BRABAZON OF TARA has been elected president of the Royal Institution for 1948-49.

MR. GEORGE W. BOWEN (purchasing department, Evans Medical Supplies, Ltd.) has been elected chairman of the Liverpool branch of the Purchase Officers' Association.

DR. B. P. MUKERJI, D.Sc., M.D., F.N.I. (director of the Biochemical Standardisation Laboratories, Calcutta, India), has

been elected a corresponding member of the Pharmaceutical Society.

MR. CHARLES FIRMINGER (sales director of John Firminger & Co., Ltd., Harwell, Berks) has flown to Paris to attend the French Industries Fair; while on the Continent he hopes in addition to make a number of other business calls.

MR. A. F. WALTON, Ph.C. (manager of the medical products department of Ward, Blenkinsop & Co., Ltd.) has passed the final examination of the Incorporated Sales Managers' Association and has been elected an Associate of the organisation.

MR. B. A. BULL, Ph.C. (chairman of the British Pharmaceutical Conference, 1946-47), has been nominated by the Pharmaceutical Society's Council to serve on an advisory panel for the chemical industry which is to form part of a Ministry of Education plan for "Further Education" in the East Midlands.

MR. DAVID J. MAW, M.C., who was elected a director of S. Maw, Son & Sons, Ltd., on May 6 (see p. 623), is the youngest son of the late Mr. Mowbray T. Maw, a previous chairman of the company. He entered the company in November 1946. During the 1939-45 war Mr. Maw was awarded the M.C. in Greece, was captured in Crete in 1941, escaped in March 1945.

INQUESTS

Wrong Drug Injected.—At an inquest at Hammersmith, London, recently, a doctor stated that he had given an injection of adrenaline in mistake for a drug used for treating varicose veins. A bottle of adrenaline injection that had previously been lost must have found its way, he said, into the carton labelled for the drug for treatment of varicose veins. A verdict of misadventure was returned.

Baby Dies After Diodone Injection.—At an inquest on a new-born child at Oxford recently, representatives of the Radcliffe Infirmary maternity-home stated that an investigation was being carried out into the reason for hæmorrhages in mothers immediately after birth. An x-ray opaque medium, diodone, considered harmless, had been injected into the mother, but it was usual to prevent the substance from entering the child's body. The precaution had not been taken immediately on this occasion, and the baby died two hours later. The coroner recorded a verdict of death due to asphyxia from the action of diodone.

COMPANY NEWS

A. RUDNICK, LTD. (P.C.).—Capital £2,000. To carry on the business of wholesale chemists' sundriesmen, manufacturers of disinfectants, toilet requisites, etc. Abraham Rudnick and Hester Rudnick, directors. R.O.: 13 Whitechapel, Liverpool.

CHEMICAL PRODUCERS, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of chemical products, drugs, toilet requisites, etc. Wilfred G. Lock and Douglas Miles, directors. R.O.: 2 York Street, Twickenham.

MELZONE MANUFACTURING CO., LTD. (P.C.).—Capital £1,000. To acquire the business of a chemical manufacturer carried on by George Mitchell at 13 Sandgate High Street, Folkestone. George Mitchell and Alison E. Mitchell, directors.

ARCHWAY LABORATORIES, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of chemicals, medicines, etc. First directors are to be appointed. Solicitors: Mendes da Costa, Greenwood & Co., 70 Finsbury Pavement, London, E.C.2.

R. G. COLLINS & SONS, LTD. (P.C.).—Capital £1,500. To acquire the business of a chemist and druggist carried on at 53 Christchurch Road, Oxtou, Birkenhead, as "F. C. Cooling & Co." Raymond G. Collins, M.P.S., Mollie Collins and Harold Collins, directors.

C. A. & M. A. COOPER (CHEMISTS), LTD. (P.C.).—Capital £1,000. To acquire the business of a manufacturer and retailer of medicines carried on by Charles A. Cooper at 180 Stockport Road, Levenshulme, Manchester. Charles A. Cooper, May Cooper and Marcus A. Cooper, M.P.S., directors.

HORACE WRIGHT (CHEMIST), LTD. (P.C.).—Capital £2,000. To carry on the business of retail chemists and druggists, etc. Horace Wright, M.P.S., Flora Wright and Derrick V. Littlejohn, directors. R.O.: Chandos Pharmacy, High Street, Edgware, Middlesex.

S. MAW, SON & SONS, LTD.—Mr. David J. Maw has been appointed a director.

LAPORTE CHEMICALS, LTD.—The directors have decided to issue at 18s. 6d. per share 1,010,400 new ordinary shares of 5s. each. The shares are to be offered to present stockholders in the proportion of three new shares for every five stock units of 5s. each held. Consent of the Treasury has been obtained and application will be made to the London Stock Exchange for quotation.

BAYER PRODUCTS, LTD.—The Board of Trade invites tenders for the purchase as a single block of 10,000 £1 ordinary shares, fully paid, in this company. Copies of particulars and special conditions of sale, and tender forms may be obtained on application to the Administration of Enemy Property Department (Treasury and Board of Trade), E.C. 4(A), 7 Crosby Square, London, E.C.3. The nominal and issued capital of the company is £80,000 in fully paid £1 shares.

BOOTS PURE DRUG CO., LTD.—Net profit for the year ended March 31 amounted to £679,428 against £756,470, after providing £562,650 (£523,000) for taxation. A final dividend is recommended on the ordinary shares of 20 per

cent. (20 per cent.) less taxation, payable on September 30, to those shareholders on the register at May 6, making a total dividend for the year of 40 per cent. The aggregate net profits of the group for the year ended March 31 amounted to £948,401 (£1,037,509) after providing £1,084,000 (£1,345,100) for taxation. The figures in parentheses are the previous year's figures adjusted to the basis on which those for the year ended March 31 have been computed.

LEGAL REPORTS

Analyst's Certificate Unsigned. — Because of the omission of a signature from an analyst's certificate, St. Helens magistrates adjourned until September the hearing of the summons against John Holt, 70 Kirkland Street, St. Helens, who was accused of having sold poison in an unlabelled container.

"Chemists and Others." — After a man had been fined £5 at Omagh, co. Tyrone, Northern Ireland, recently, for drinking methylated spirits, the Clerk of the Crown and Peace said it should not be possible for addicts (the man had twice previously been convicted) to get supplies of spirits. He made a request to chemists and others to exercise more care in the sale of methylated spirits.

Boric Acid in Epsom Salt. — At Marylebone magistrates' court recently, Harry Gold, Kingsgate Road, London, N.W.6, was summoned for selling, to the prejudice of the purchaser, Epsom salt that contained 56.5 per cent. boric acid crystals. He pleaded guilty. A solicitor prosecuting for the Hampstead Borough Council said that on March 2 a food inspector called at the defendant's shop ("a butcher's and general grocer's") and ordered 3 oz. Epsom salt; he was served from a jar so labelled. Analysis showed that the sample contained 40.2 per cent. magnesium sulphate crystals instead of 100 per cent. The remainder of the sample was boric acid crystals, which ought not to have been present at all. Mrs. Gold said her daughter had bought a quantity of the Epsom salt a long time ago from a local chemist and had not used it. Rather than waste the packets she had put them into the shop for sale. The magistrate remarked: "Dangerous, isn't it—drugs in a shop like this? Can anybody sell Epsom salt?" Defendant said he was not a chemist and he had sold the article as it was bought. The magistrate told him next time he bought or sold anything like Epsom salt to be sure he had the right article. He dismissed the summons on payment of £3 3s. costs.

TRADE NOTES

1948 Quota.—M. P. Toulson, Ltd., 18 Chequer Street, St. Albans, Herts, invite wholesalers' inquiries for Meta solid fuel tablets, the 1948 quota of which is now available.

Pastilles to the Trade.—Cal-Ma-Vite Laboratories, Ltd., 32 North Street, Horsa, Sussex, are now in a position to supply to the trade all types of pastilles and tablets, whether from suppliers' materials or from the company's stocks.

Allocations Suspended.—Sharp & Dohme, Ltd., West Hill Laboratories, Hoddesdon, Herts, state that, during the summer months, "automatic" allocations of Sucrets are suspended. Pharmacists are invited to forward their orders for attention as supplies become available.

Now Scheduled.—Savory & Moore, Ltd., London, announce that, since carbachol, B.P., has now been included in the Poisons Schedule, the company's product Moryl in all forms is similarly affected. Any packings returned to Standard Works, Lawrence Road, London, N.15, will be relabelled to conform with the regulations.

Price Lists.—A new twelve-page reference list of the products of ENDOCRINES-SPICER, LTD., Watford, Herts, omits items that are temporarily or permanently discontinued; an addendum gives purchase tax chargeable on the company's various specialities.—The May 1948 fine chemicals price list of HOWARDS & SONS, LTD., Ilford, Essex, is now available.

Bonus Parcels.—Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have introduced bonus parcels of Crookes halibut-oil emulsion for infants and Crookes vitamin-quota capsules. From May 6 three additional specialities of the company (Collosol calcium with vitamin D, Collosol calcium with vitamin D, high-potency, and Crookes cod-liver oil emulsion with calcium) are exempted from purchase tax.

Precision Enlarger.—"The most exacting demands of the professional, scientific or amateur photographer" are claimed to have been met by a new precision enlarger and auxiliary equipment introduced by Kodak, Ltd., Kingsway, London, W.C.2. The basic enlarger will eventually be readily convertible for copying, slide making, photomicrography and photomacrography. The enlarger, with a range of enlarging accessories and special filter holder for colour printing, is being mar-

keted first. Parts will be fully interchangeable. The safety and tri-colour filters are placed behind instead of in front of the lens. The enlarger is made in Britain.

Insecticides.—The following manufacturers draw attention to insecticidal preparations in this week's issue: BROOK, PARKER & CO., LTD., Bradford. Proparco DDT powder and liquid insecticide.—R. DEMUTH, LTD., Farnham, Surrey, Skreen odourless repellent. — FUBEX, LTD., 27 Albemarle Street, London, W.1 (sole agents, Splendor, Ltd., 7c Lower Belgrave Street, London, S.W.1), Flyol powder and liquid, Flyolex horticultural liquid, Motholin and Naphtox; details of assorted parcels available are given on another page.—LOVELUCK EDWARDS & Co., 432 Garratt Lane, London, S.W.18, L.E.C. DDT spray and sprayer.

Exhibitors at the B.I.F.—Visitors to the stand of BRITISH EXPORT TRADE RESEARCH ORGANISATION (BETRO) were able to lift a telephone receiver and hear a personal message from the chairman of council of the Organisation. CARNEGIE CHEMICALS (WELWYN), LTD., showed alkaloids and salts, resins, organic and inorganic chemicals (picture, p. 634).

C. DRAPER & Co., LTD., completed in time for demonstration at the Fair the presentation of a new product that attracted wide interest—a cream nail-polish remover S'off, claimed to have a beneficial effect on the keratin and skin. R. HOVENDEN & SONS, LTD., were requested to put before H.M. Queen Mary a range of products from which she made a selection; Dr. S. Gottfried, Mrs. D. Lambert and Miss L. Baxendale, B.Sc. were presented to Her Majesty in the Director's office of the Fair. PETROCHEMICALS, LTD., were showing for the first time a full range of aromatic hydrocarbons and a wide range of olefine derivatives. On May 6 the Royal party, including T.M. the King and Queen and H.R.H. Princess Margaret, called at the stand of POTTER & MOORE, LTD., where they made purchases. Mr. A. J. Madden (a member of the Advisory Committee of the Fair) was presented to Their Majesties. RELIANCE RUBBER CO., LTD., were featuring a new hot-water bottle shortly to be put on the market.



Proprietary Articles Trade Association

Additions to Protected List (Part 1).—*Allen & Hanburys, Ltd.*, Parvestin, 4-oz., 28s. 6d. each, 38s. (exempt from tax).

Benger's, Ltd., Benecol, boxes of 100 capsules, 54s. doz., 6s. 3d. (exempt); Auralgicin ear-drops (D.D.A.), 5-mil bottles, 16s. doz., tax 33½ per cent., inclusive retail price 2s. 5d.; 15-mil bottles, 28s. doz., tax 33½ per cent., i.r.p. 4s. 3d.; Chronalgin ear-drops, 25-mil bottles, 36s. doz., tax 33½ per cent., i.r.p. 5s. 6d.; 100-mil bottles, 120s. doz., tax 33½ per cent., i.r.p. 18s. 4d.; Beneric, boxes of five 5-c.c. ampoules, 148s. doz., 18s. 6d. (exempt); ten 2-c.c. ampoules, 148s. doz., 18s. 6d.; Ferrivenin, boxes of five 5-c.c. ampoules, 82s. doz., tax 33½ per cent., i.r.p. 12s. 6d.; ten 5-c.c. ampoules, 156s. doz., tax 33½ per cent., i.r.p. 23s. 6d.

Parke, Davis & Co., Benadryl capsules, 25-mgm., 50's, 36s. doz., 4s. 6d. (exempt); 500's, 320s. doz., 40s.; Taka-Diastase liquid, 4-oz., 30s. 8d. doz., tax 33½ per cent., i.r.p. 4s. 8½d.; 16-oz., 106s. 8d. doz., tax 33½ per cent., i.r.p. 16s. 4d.

Wiggleworth, Ltd., Pedrian foot salve, 14s. 6d. doz., 1-doz. lots, 13s. 6d., tax 33½ per cent., i.r.p. 2s. 6d.

Alterations (Part 1).—*Dr. Mackenzie Laboratories, Ltd.* (Agents, *J. C. Gambles & Co., Ltd.*), Mackenzie smelling-bottle, flat, 13s. 6d. doz., tax 33½ per cent., i.r.p. 1s. 11d.

Vermex Chemical Co., Ltd., Zodas head and nerve tablets, 7s. doz., tax 33½ per cent., i.r.p. 1s.; Rapalax laxative tablets, 3s. 6d. doz., tax 33½ per cent., i.r.p. 6d.; three-doz. display parcels, 6s. and 3s. per doz. respectively.

Vick International, Ltd. (Agents, *J. C. Gambles & Co., Ltd.*), Vick vapour-rub, 11s. 4d. doz., tax 33½ per cent., i.r.p. 1s. 7d.

The British Drug Houses, Ltd., Beach sun-tan cream, 12s. 3d. doz., tax 100 per cent., i.r.p. 2s. 6d.

R. Demuth, Ltd., Spic colour tone hair rinses (two rinses per wallet), 18s. per carton of 3 doz. wallets, tax 100 per cent., i.r.p. 1s. 3d.

Scrubbs & Co., Ltd., Scrubb's dry-cleaner, 5-oz., 11s. 3d. doz., 1s. 3d. (exempt); Scrubb's carpet-cleaner, 10-oz., 13s. 6d. doz., 1s. 6d. (exempt). Revision in quantity terms for Messrs. Scrubb's products: Three doz., net; 6 doz., less 5 per cent.; 9 doz., less 7½ per cent.; 18 doz., less 10 per cent.

Silvikrin Products (Agents, *Scott & Bowne, Ltd.*), Silvikrin shampoo, 43s. 2d. gross, tax 33½ per cent., i.r.p. 6d.

Alterations (Part 2).—*Bristol-Myers Co., Ltd.* (Agents, *J. C. Gambles & Co., Ltd.*), Ipana tooth-paste, 16s. 3d. doz., tax 33½ per cent., i.r.p. 2s. 6d.

Koko-Maricopas Co., Ltd., Koko cream shampoo, 19s. 7d., tax 33½ per cent., i.r.p. 3s.

Madeleine (Perfumers), Ltd., Madeleine brilliantine, 9s. doz., tax 100 per cent., i.r.p. 1s. 10½d.

Northam Warren, Ltd. (Agents, *J. C. Gambles & Co., Ltd.*), Odorono, small sizes, 4s. 9d. doz., tax 33½ per cent., i.r.p. 8d.

Potter & Clarke, Ltd., Revised prices in Eire: Thompson's dandelion coffee, ½-lb., 24s. doz., 3s.; 1-lb., 42s. doz., 5s. 3d.

THE WEEK IN PARLIAMENT

THE President of the Board of Trade was asked by MR. W. T. SCOTT-ELLIOTT on May 6 why the export target for chemicals had been reduced, and whether all possible chemical production capacity was now being used.

MR. A. G. BOTTOMLEY (Secretary for Overseas Trade): Now that more chemicals than previously are needed to produce other goods for export, the export target has been slightly reduced in order that chemicals may be exported in the most profitable form, which is often as components of other manufactured goods. Subject to the availability of raw materials and labour, productive capacity is being used to the best advantage.

Coal-to-oil Conversions

MR. HUGH GAITSKELL (Minister of Fuel and Power) told the House of Commons on May 6 that American oil consumption and the closing of the Haifa refinery had brought about circumstances in which it would not be possible at present for all the postponed conversion schemes to come into operation.

Deaf Aids

MR. F. J. ERROLL asked the Minister of Health on May 6 what provision he intended to make for persons who found the Government Medresco aid unsuitable for their form of deafness. MR. ANEURIN BEVAN said that the Electro-acoustics Committee of the Medical Research Council was planning research in connection with a hearing aid for the very small proportion of patients for whom the Medresco aid was found not wholly suitable.

Tax-free Drugs

The Order (S.I., 1948, No. 608) giving the revised list of tax-free drugs (see *C. & D.*, April 3, p. 430) was approved by the House on May 6.

BUSINESS CHANGES

MILES LABORATORIES, LTD., have appointed Mr. J. L. Pinder manager of their plant at Bridgend, South Wales. Mr. R. S. Nicholls has returned to the United States.

MR. W. WILSON is continuing the business of Frederick Rowsell, 49 Eastcheap, London, E.C.3, following the death of Mr. Harold Rowsell (see p. 622) with whom he was in partnership.

BRITISH ALUMINIUM CO., LTD., have made the following appointments: Sales manager, Mr. H. H. Cundell; sales planning manager, Mr. A. W. Langham.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

The principal matter discussed at the May meeting of the Council was the treasurer's Financial Statement for 1947

A MEETING of the Council of the Pharmaceutical Society of Great Britain was held in London on May 4 and 5, Mrs. J. K. Irvine (president) in the chair.

Financial Report

THE TREASURER (Mr. W. S. Howells), presenting the Annual Financial Statement for 1947, said that the Society's income for the year 1947 from all sources was £151,495 (an increase of £7,765); overall expenditure was £133,504 (a decrease of £995 on the general fund and of £156 on the accounts as a whole). [Fuller details will be published later.—EDITOR]. Among the items were: Members' registration and retention fees, £47,529 (an increase of £4,519); Premises fees profits, £3,337 (an increase of £557); Registration of students' fees, up by £1,111.

The final outcome of all the accounts was a surplus of income over expenditure of £3,255 in the general fund. After allocating £15,000 to the Premises Fund in accordance with a Council resolution of some five years ago, there was for 1947 an improvement in the budgetary position over the previous year of some £8,308. "I do not suggest that that is due to any cleverness of the treasurer, but some credit is undoubtedly due to the financial officer," said Mr. Howells.

MR. C. W. MAPLETHORPE, moving the minutes of the Education Committee, referred to a paper by Mr. A. G. Fishburn at the Society's January Evening Meeting, in which he put forward a number of suggestions on pharmaceutical research. Members present at this meeting, said Mr. Maplethorpe, thought that Mr. Fishburn's paper should not be left in the air. The Conference Executive was giving fresh consideration to matters of pharmaceutical research, and it was felt Mr. Fishburn's ideas should be referred to that body.

MR. E. A. BROCKLEHURST, giving the minutes of the Benevolent Fund Committee, said eight grants had been made and four more were recommended. An application for assistance from Hills Orphan Fund, and four from the War Aid Fund, were also recommended. The draft Annual Report of the Council for 1947 on War Aid Funds was considered and a sentence added.

Replying to MR. H. M. HIRST, who queried the allocation of £15,000 to the

Premises Fund, THE TREASURER said that the sum must continue to be paid annually to the Building Fund until a Council resolution to that effect was rescinded. He would be sorry to see it discontinued because it was for a building that would be needed by the Society later on, and not necessarily for the Brunswick Square building. It had to be borne in mind that the cost of putting up buildings showed no sign of coming down, and the Society should budget on the right side so far as it could.

MR. HIRST also called attention to the fact that the Benevolent Fund had overspent to the extent of £3,607 in 1947, and asked whether that could be allowed to go on. THE VICE-PRESIDENT pointed out that in July they would be faced with the new health insurance regulations, and expressed the view that the Fund would have to be careful to augment rather than subsidise the social services of the Government. The point would have to be closely considered. THE TREASURER said that Mr. Hirst's comment on Benevolent Fund expenditure was timely. A good deal of capital was invested in that Fund, but expenditure was likely to be over and above the income from the accumulated funds and annual contributions. How far that could be allowed to continue was a question for the Benevolent Fund Committee and the Council generally to consider.

MR. T. HESELTINE said he was not at all worried about the £3,607 deficit on the Benevolent Fund; if members of the Society realised that there was a deficit they would make it good. THE PRESIDENT said she was sure they would. The report was unanimously adopted.

Training and Remuneration

The report on a meeting of the Joint Committee on a National Health Service, held on April 7, presented by Mr. W. J. Tristram (its chairman), showed that Mr. Roskill had given a comparison between the cost of training and remuneration of pharmacists and other persons holding comparable qualifications, together with a discussion of the significance of the results in relation to the National Health Service. Mr. Tristram's report included a resolution inviting the Society to communicate with county and county borough

authorities pointing out the desirability of pharmaceutical representation on County Health Committees. The Joint Committee had decided that the names of persons for appointment to the Pharmaceutical Advisory Committee should now be forwarded to the Ministry. The Council decided to seek an assurance from the Ministry that it was intended to proceed with the formation of the advisory committees, and with the pharmaceutical advisory committee in particular.

British Pharmaceutical Conference

In the report of a meeting of the Executive of the British Pharmaceutical Conference it was stated that the subject for the Symposium Session at the Brighton Conference would be "Modern Methods

of Preservation of Medicinal Substances and Pharmaceutical Preparations." It was reported that an invitation to hold the annual meeting of the Conference in Glasgow in 1951 had been accepted. The venue of the Conference in 1949 had not yet been arranged.

Meeting with Veterinary Representatives

The report of a meeting of representatives of the Society, the Royal College of Veterinary Surgeons and the National Veterinary Medical Association was received. Among matters discussed had been the possible publication of a book on veterinary drugs similar to the British Pharmaceutical Codex; restrictions on the distribution of veterinary medicines; and the Veterinary Surgeons Bill.

ANALYST'S ADDRESS AND REPORT

THE city analyst for Birmingham (Mr. H. H. BAGNALL, F.R.I.C.) was the lecturer at a meeting of the Birmingham Branch of the Pharmaceutical Society held on February 17, Mr. G. Goulding in the chair. Mr. Bagnall said that the work of his department was to try to ensure that foods and drugs sold to the public were up to standard. Of 5,000-6,000 samples taken annually, 500-600 were of drugs. Court proceedings were taken only when unavoidable; a warning usually proved effective. The quality of tablets had improved considerably, he said, since the publication of the Seventh Addendum to the British Pharmacopœia. A vote of thanks to the speaker was proposed by DR. J. PRIESTMAN and seconded by MR. L. W. HURCOMB.

Report for October-December 1947

The Birmingham city analyst's report for the fourth quarter of 1947 states that, of 100 samples of drugs taken, ten proved incorrect. Samples of spirit of camphor were found to contain 11.7 per cent. camphor instead of 10 per cent. The specific gravities were higher than normal, indicating evaporation of alcohol with a consequent increase of camphor content. Two samples of a health salt bore a label indicating that it included magnesium sulphate 17.21 per cent. The actual amounts found were 13.4 per cent. and 14.6 per cent., calculated as the anhydrous salt, or 27.4 per cent. and 29.8 per cent., calculated as the B.P. salt (containing water of crystallisation). The makers stated that they used a partly dehydrated magnesium sulphate

containing an average of 29 per cent. water of crystallisation, and on this basis the contents of the salt fell within the range of 17.21 per cent. given on the label. They agreed to use the term "magnesium sulphate (B.P.C. exsiccated)" (defined in the B.P.C. as containing 30.38 per cent. water), and to arrange for the mixture to contain 17.21 per cent. of magnesium sulphate calculated as the B.P.C. article. Two samples of hydrogen peroxide were deficient in peroxide content by 82 per cent. and 62 per cent. respectively. The pharmacist concerned stated that on examination of the bottles he found that the cork inner seals had been attacked by the peroxide.

A sample of white precipitate ointment (which according to the B.P. 7th Addendum should contain 2.5 per cent. ammoniated mercury) contained 4.5 per cent. Two samples of ammoniated tincture of quinine were 66 per cent. and 38 per cent. deficient respectively in ammonia, and contained quinine sulphate 18 per cent. in excess of the 2 per cent. required by the B.P. A sample of salicylic acid ointment contained 3 per cent. salicylic acid instead of the 2 per cent. In two samples of spirit of sal volatile the ammonia contents were 33 per cent. and 48 per cent. deficient, and the carbon dioxide contents 38 per cent. and 17 per cent. deficient. The wholesale suppliers agreed that the type of container used was unsuitable. The contents of the white papers of samples of "extra strong" Seidlitz powder were deficient respectively 14 per cent. and 22 per cent. in tartaric acid. The papers appeared to have become damp and then redried.

NATIONAL PHARMACEUTICAL UNION

(Concluded from THE CHEMIST AND DRUGGIST, May 8, p. 610)

In his report, THE SECRETARY said that negotiations were proceeding with the Ministry of Food on a scheme for distributing National dried milk, cod-liver oil compound, orange juice, and vitamin tablets through pharmacies in place of that part of the distribution at present effected through local Food Offices and centres staffed by Ministry of Food or local authority employees.

"Veterinary Chemists"

The provisions of the Veterinary Surgeons Bill were examined by members of the Executive; there appeared to be nothing in the Bill that would prevent a pharmacist from using the description "veterinary chemist" or continuing to supply medicines for veterinary use. It was agreed that the principle on which the Bill was based was desirable, and that no action seemed to be called for at this stage to protect the interests of members in the course of the normal practice of retail pharmacy.

MR. J. HEARLE (chairman, N.P.U. War Distress Fund Committee) presented the report of a Committee meeting held on April 26. Grants approved at that meeting included two of £1,000 to enable former proprietors who had lost their businesses through war damage to return to proprietorship, one of £750 for the same purpose, and one of £500 to a former proprietor who had suffered war injuries and was not able to reinstate himself in business. A further grant of £500 had been authorised to enable a proprietor to discharge trade liabilities that had arisen as a result of extensive damage to his premises and subsequent adverse trading conditions.

Resolutions from Branches

A number of resolutions from N.P.U. branches, expressing dissatisfaction with the "rural area" provision of the National Health Service (General Medical and Pharmaceutical Services) Regulations, were received. The regulation had been the subject of strong representations to the Ministry of Health, and the matter was still being pursued. It was agreed to inform the branches accordingly. A resolution from the Cardiff branch proposing that, in future discussions on the Joint Industrial Council agreement, minimum rates of remuneration should be related to an employee's years of experience in retail

pharmacy and not his age, was passed to the employers' side of the J.I.C.

Chemists' Defence Association

Settlements of claims approved by the directors included the following: £12 3s. and £4 for damages to a customer's clothing in accidents on members' premises; £120 for personal injuries alleged to have been sustained through misreading of a badly written prescription. In a claim for damages arising out of the alleged presence of a "foreign body" in a dispensed medicine, it was agreed that the claim should be resisted in Court, the member concerned having stated that he wished that course to be adopted and the directors being of opinion that the case ought to be strenuously opposed. It was reported that a claim involving payment of damages of £3,000, plus costs, was being submitted to the Courts for approval of the settlement, as the interests of a minor were involved. Twenty other cases were left for negotiation by the Secretary.

ULSTER CHEMISTS' ASSOCIATION

MR. J. C. ACHESON (president) was in the chair at a meeting of the Executive Committee of the Ulster Chemists' Association held in Belfast on May 4. The following new members were elected: Messrs. C. G. Kane, Enniskillen; J. E. Coyle, Londonderry; J. T. McCaughey, Belleek; W. T. Pyper (successor to Mr. William Dick), and W. D. Magee (successor to Cowzer's Pharmacy, Ltd.). The following, who had been approved at a previous meeting of the Associates' Committee, were elected as associate members: *Pharmaceutical Chemist*: Mr. W. M. Bruckshaw; *Assistants*, Messrs. H. Downey and H. Smyth; *Apprentices*, Messrs. L. Kaitcer, B. McCann and J. McElreavy. The secretary (Miss A. E. Strachan) reported that the Northern Ireland Tuberculosis Authority had agreed that cheques to chemists in payment for medicines supplied should be accompanied in future by a statement of how the amounts were made up. The Authority did not wish to make any change in contract arrangements until it became known whether domiciliary treatment would be carried out by the Authority after the introduction of the new health service.

WORKING PARTY ON DISPENSING PRACTICE

By Adest

CAN a just abstract be made, in a thousand words or less, of the Working Party's report on dispensing practice in England, Wales and Scotland? In one sense it cannot, for the report is filled with facts, each of which has its importance. Yet the attempt is worth making. Two questions can be asked: "What is the report about?" "What is the report all about?" The first question is easy to answer, the second not so easy. In the following paragraphs figures will be avoided as much as possible: they can be found, with editorial comment, in *THE CHEMIST AND DRUGGIST* of April 17 (pp. 501 and 503) and April 24 (pp. 536 and 540). The number of premises visited by the Working Party is by now well known, I assume, to every reader, together with the gratifying observation that prescriptions are found to be dispensed, "in at least 95 per cent. of pharmacies . . . in accordance with the highest professional principles." The Party's facts and findings can be subsumed under three headings.

Formulary Preparations

The first subject dealt with in the report is the use of formularies. The view that in Scotland much less use is made of them than in England and Wales is reported as being substantiated, "broadly speaking, so far as mixtures are concerned." The last six words of that statement are worth emphasising. It has to be remembered that mixtures are not the only kind of medicament involving the choice or the disregard of a formula. When any two or more substances are mixed, in ointment, tablet or any other type of medicine, a formula comes into existence. A well known consultant once remarked that formularies are a kind of shorthand for prescribers. I see no objection to the use of stock mixtures, provided that they are disposed of quickly. It used to be a rule in some pharmacies where the work was chiefly dispensing for the most common infusions to be prepared every morning in quantities expected to last for one day; any residue was of course thrown out. This question of formularies leads to the wider observation that the proportions of the various forms of internal and external remedies tend to become almost uniform for different parts of England, and in Scotland and Wales to be not sharply dissimilar from

this average. The table on p. 507 of the *C. & D.* of April 17 shows this clearly.

Estimated Increases

One difference between English and Scottish conditions is striking. In England approximately 80 per cent. of the doctors do their own dispensing for private patients: in Scotland the percentage is only about twelve. The authors of the report expressly avoid, for reasons that they give, drawing "dogmatic conclusions" about the alterations to premises that this fact foreshadows. They suggest, however, that in about 80-90 per cent. of English and about 65-75 per cent. of Scottish pharmacies it will be necessary to enlarge *dispensaries*; and that in about 10-15 per cent. of English and less than 5 per cent. of Scottish pharmacies enlargement of *premises* will be required. It is widely known that operations in the building trade are much delayed by shortages of many kinds of materials: these prospective alterations, internal and external, are therefore likely to become a cause of serious anxiety when they are put in hand. A close watch should be kept, during the negotiations, on the estimated output for each dispenser. While I agree with the Party's view that an expert dispenser can deal with prescriptions at an average rate of thirty-two daily, I trust that this figure will be regarded as an absolute maximum.

Basis of a Tariff

Given the indicated differences between English, Welsh and Scottish dispensing practice, should there be one tariff or more? And if only one, on what principles is it to be devised? It is not surprising that considerable space is devoted to this important question in the report. We read that Scottish pharmacy would, under the existing Scottish Tariff, lose on the average about 4d. per prescription, and English pharmacy in corresponding conditions 7d. We also learn that the difference in dispensing prices between England and Wales on the one hand and Scotland on the other is not nearly so wide for private as for National Health Insurance dispensing. Payment for dispensing N.H.I. mixtures is found to be slightly better in Scotland than in England. A single tariff, which the Party concludes can be evolved, will obviously need to be adaptable and, so far as possible, foolproof.



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VOL. CXLIX MAY 15, 1948 No. 3560

Buyers in Fetters

IF the British Industries Fair, 1948, has provided support for the view that, so far as this country is concerned, the seller's market has virtually come to an end, what takes its place is not, as has been generally predicted, a buyer's market. Witnesses are plentiful that buyers at the Fair were ready enough to place orders, but were deterred or prevented by the knowledge that their own Governments were imposing import bans or drastically curtailing imports by systems of licensing.

This fact, rather than a diminished number of buyers, has been the disappointing factor in a Fair which, by all the tokens, should have proved a record. Admittedly there were fewer visitors than last year, but it must be remembered that many friends of Britain visited the first post-war B.I.F. out of admiration for Britain's war record, or a determination to see for themselves how far British industries had readjusted themselves to peace-time conditions, or out of curiosity to see the much-publicised textile and fashion show at Earls Court. They all visited Olympia, but they did not all place orders. Nor were all the exhibitors, in 1947, ready to meet the orders that were placed.

This year, conditions have been entirely different. Extraneous attractions were absent (leather goods — the year's "special" — are nothing like fashions as a "draw") and the visitors who came were, on the whole, genuine buyers. What they found was a magnificent array of goods

well set out, a standard of quality in no way suggesting war-time economy requirements, and good promise of early delivery even of quantity orders. Much good business was, of course, done, but nowhere near so much in volume as the combination of the favourable factors just mentioned seemed to warrant. The main reason for the unfulfilled promise was, as already stated: Import restrictions imposed by the Governments of all soft-currency areas (and dollar difficulties tend to spread). A supplementary factor was that the United States, where many British goods could compete on their merits, continues to put most of them out of the running on price with a tariff wall erected against them.

Immobilising Overseas Trade

Fetters are increasingly immobilising trade buyers from overseas. They are an effect of the world dollar famine, and there may be no quick release. Marshall aid ought, however, gradually to increase the chances of inter-European trade at the least, and Mr. Harold Wilson has cast himself for the rôle of turnkey to unlock a few of the handcuffs. At Olympia, on May 10, he pointed out that import restrictions in other countries are the greatest difficulty at present, but added hopefully: "Talks are going on in Stockholm to try to get some further removal or easing of restrictions on British goods in the Swedish market . . . In the near future I hope that the long delayed arrangements which are being made for some opening-up of the Argentine market to our goods will be announced to exporters." Presumably similar efforts are being made all round.

It must be borne in mind, however, that success along those lines will undoubtedly have the effect of ushering in the long-prophesied buyer's market, and that, as the President of the Board of Trade himself said:—

"During the next twelve months the emphasis of our problem may well change from being one of production to that of selling." In that problem, price is a factor to which the Chancellor of the Exchequer has, perhaps, given sufficient

emphasis for the time being. Another, and no less important, consideration is salesmanship. Manufacturers who give more attention to the arts of selling during the coming months will be taking out a valuable insurance against possible trade depressions in the future.

Ceylon's Trade in 1947

THE Ceylon Department of Commerce trading accounts show that in 1947 the Dominion's exports of citronella oil were maintained at the fairly high level of 1,278,000 lb., valued at Rs. 3,989,000, compared with 1,726,000 lb. (Rs. 8,908,000) in 1946, and 1,604,00 lb. (Rs. 1,182,000) in 1938. The high prices which obtained in 1946, when the monthly average was Rs. 5.22 per lb., declined rapidly in 1947 (monthly average Rs. 3.16) although the market hardened to some extent in the concluding months of the year. Shipments of cinnamon oil (bark and leaf) during 1947 totalled 1,134,000 oz., a decline of 100,000 oz. in 1946 and only approximately half the 1938 exports (2,786,000 oz.) Values, however, rose during the year; during 1946 the price was maintained at 40 cents per oz.; from January until October, 1947, it was 50 cents, and for the concluding months of the year, 60 cents per oz. The average price in 1938 was 15 cents per oz.

In spices, the volume of areca nut exports fell to 57,100 cwt., compared with 139,000 cwt. in 1946 and 83,900 in 1938. The local selling price throughout 1947 was Rs. 50 per cwt., against the monthly average of Rs. 49.61 in 1946 and Rs. 12.28 in 1938. Cardamoms exported totalled 2,200 cwt. (Rs. 942,000), against 2,000 cwt. (Rs. 652,000) in the previous year; prices rose steadily during 1946-47, and green cardamoms in December 1947 were quoted in Colombo at Rs. 3.99 per lb. Shipments of cinnamon in 1947 were: Chips, 3,300 cwt., valued at Rs. 144,000 (1946: 10,400 cwt. valued at Rs. 711,000); and quills, 32,600 cwt. valued at Rs. 5,449,000 (1946: 62,200 cwt. valued at Rs. 9,150,000). Papain exports in 1947 totalled 81,000 lb., valued at Rs. 719,000, compared with 53,100 lb. (Rs. 425,000) in 1946.

Containers Under N.H.S.

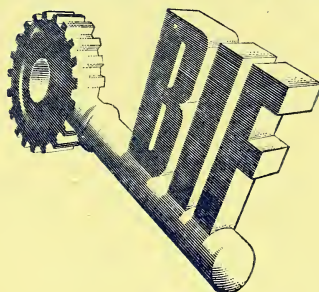
THE decision of the Ministry of Health (see *C. & D.*, April 3, p. 443) that, under the new National Health Service the patient is to be supplied with bottles and other necessary containers free of charge is generally welcomed by pharmacists. The present (N.H.I.) method of supplying containers on loan for a nominal deposit has many undesirable features. The Drug Tariff scale does not make enough allowance for breakages or for cleaning containers prior to their re-use, and it encourages the use of unsuitable containers (such as chip boxes for past. mag. sulph.) either because the pharmacist does not carry a complete range of bottles, jars and pots, or because the patients decline to pay the necessary deposits on the correct types of containers.

The deposit system has this in its favour, however. It at least prevents a prodigal wastage of bottles, and the present urgent need is to keep them in circulation. Output of glassware is restricted owing to shortage of soda ash, and there is little immediate prospect of substantial improvement in the output of new medicine bottles. The Food Ministry's call on 6-oz. screw-cap flats for concentrated orange juice and cod-liver oil compound for supply through clinics is in the region of 8,000 gross per week (see *C. & D.*, March 6, p. 296), and few of these bottles find their way back to the packers for refilling. In fact, other users have experienced great difficulty in obtaining supplies of this size bottle, as the major part of the manufacturers' output is reserved for the Ministry. What will be the position after July 5?

The experiences of pharmacists in hospitals at which no charge is made to outpatients for containers suggests that the wastage will be considerable. To overcome it, a possible method would be one whereby only a part of the charge is refunded, the remainder being retained to cover the cost of washing and sterilisation. Another possibility would be for contractors in each district to arrange amongst themselves a container-cleansing service. Whatever the decision, some temporary arrangement seems necessary while the present manufacturing difficulties continue.



SEEN AT THE

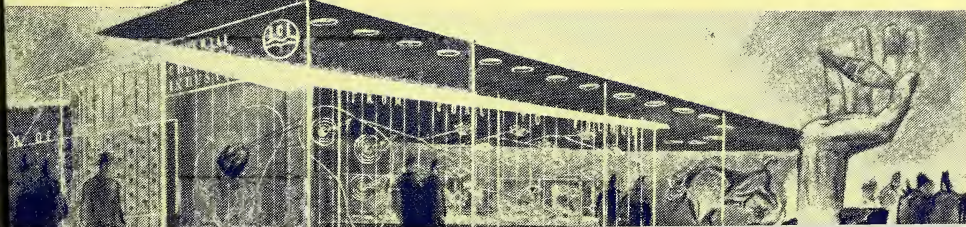


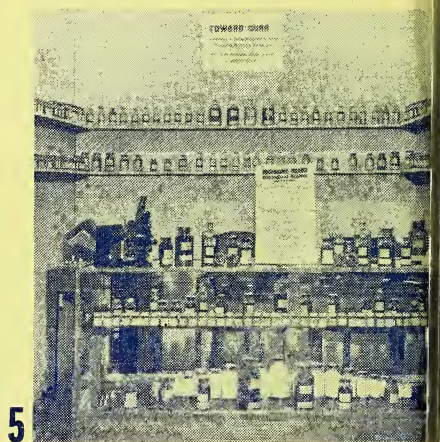
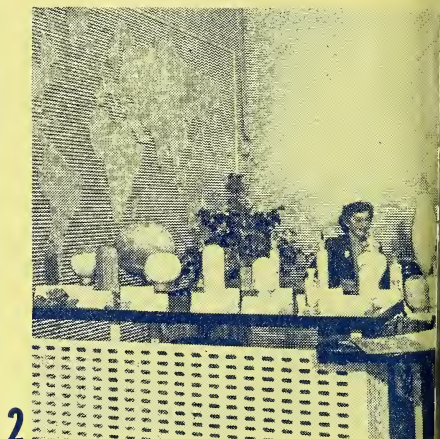
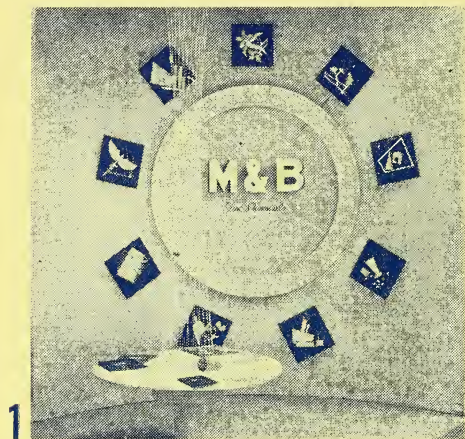
Crinolined lady symbolises a new crinoline bottle of Old English sweet lavender in a series issued by R. Hovenden & Sons, Ltd.

"The Chemist and Druggist" was at home to British and overseas pharmacists and buyers.

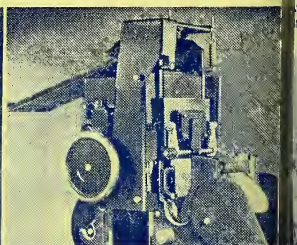
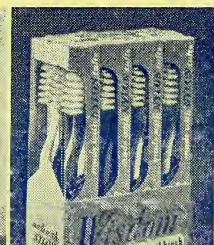
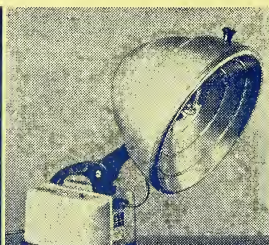


Below: An artist's impression of the stand of Imperial Chemical Industries, Ltd.





Left to right below: De luxe perfume casket by Picot Frères, Ltd.; small high-pressure mercury arc lamp



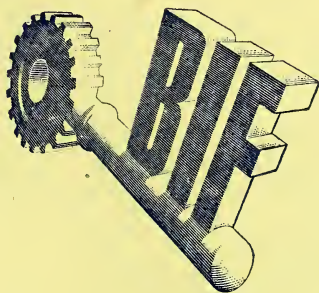


3



6

SEEN AT THE



1

Paper "sculpture" used in a display background at the stand of May & Baker, Ltd.

2

Crystals and powders at the stand of Carnegie Chemicals (Welwyn), Ltd., set against a map of the world.

3

A background of Suba Seal hot-water bottles at the stand of William Freeman & Co., Ltd.

4

Centre display structure devoted to pharmaceuticals at the stand of Howards & Sons, Ltd.

5

The Michrome series of microscopical stains and reagents set out for inspection at the stand of Edward Gurr, Ltd.

6

A cornerpiece display on the stand of Whiffen & Sons, Ltd.

violet ray treatment by Hanovia, Ltd.; window-cartoned Wisdom Nylon tooth-brushes in display outer by Addis, Ltd.; automatic photo-printer by Kodak, Ltd.; counter specialities for chemists by Skuse & Co., Ltd.; Souchets liquorice and menthol pellets by Thomas Kerfoot & Co., Ltd.; glass containers for perfumery and toilet products selected from a range available from Glastics, Ltd.



SEEN AT THE B I F



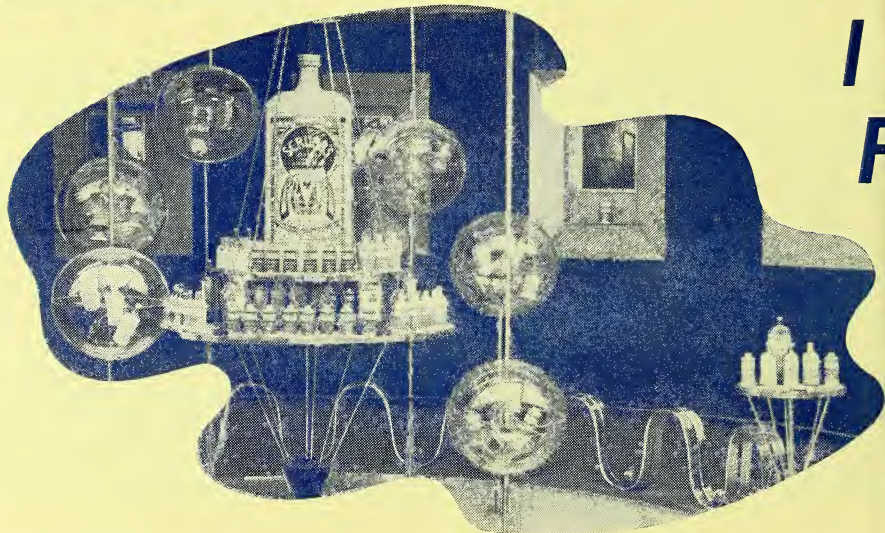
Above: A mask provides a setting for perfumed toilet preparations in a display by Cussons, Sons & Co., Ltd.

At left: Two of a series of miniature tableaux illustrating industrial uses of Teepol at the stand of Shell Chemicals, Ltd. The lower is "Toilet Preparations."

Below: Convolutions and glass "bubbles" direct attention to Scrubb's ammonia and other household cleaners in a modern display by Scrubb & Co., Ltd.

SEEN AT THE

B I F



Toilet preparations by Osborne, Garrett & Co., Ltd.; English Carnation perfume by C. Draper & Co., Ltd.; hand-coloured and other luxury cosmetics from a great variety shown by Abietsan, Ltd.



IMPRESSIONS OF THE FAIR

By consensus of exhibitors' opinion (unchecked by turnstile evidence), visitors at the London sections of the British Industries Fair this year were less numerous than last (not so many Americans, for example, and far fewer callers from India and Pakistan) though possibly as many countries were represented among them.

Visitors Approve

First impressions of the visitors were mainly favourable. Typical, perhaps, was the comment of a Swedish visitor. "It's better than last year, better than any pre-war B.I.F., better than any of the other trade fairs I've been to all over the world." The goods were there—in great variety and of outstanding merit. They were well displayed in settings that, if necessarily on a utility scale, were tasteful and bright. The sections were well arranged for the convenience of buyers interested in a particular industry or group of industries, and only in detail (see below) could criticisms be made. By contrast with last year, promise of delivery was good. The items shown were no mere prototypes—a foretaste of something to come—but goods "off the line," available for delivery either immediately or within a brief period. Prices were certainly no higher, and in a few instances lower, than in May 1947.

Yet many exhibitors, after a few days' experience, were not enthusiastic about results. Overseas buyers were eager enough to buy: what held them back, particularly where luxury and semi-luxury goods were concerned, was the necessity for import licences from their own Governments. In consequence, even many of the orders that were placed were endorsed "subject to the granting of licence." The recent experience of one exhibitor of toilet articles, who described the progress of business dealings with a buyer in Iceland from the time a small trial order had been placed at the 1947 B.I.F., is fairly typical. From month to month the orders grew, adding up to a worth-while total; then came the news that a consignment had been seized by the Iceland Customs authorities under newly imposed import restrictions. Another exhibitor described how he arrived in Canada on a sales mission twenty-four hours after imports of toilet articles had been banned; even his case of samples had to be deposited with officials until he left the Dominion.

Must the 1948 Fair be written off then as a failure? By no means. Quite apart from many substantial orders placed for non-luxury goods, and the outstanding success of a number of items introduced for the first time at the Fair, the President of the Board of Trade announced at Olympia on May 10 that negotiations offering considerable hope of success are in progress with a number of foreign Governments to lower trade barriers. The very favourable impression of Britain's ability to supply high-quality goods in quantity taken back by overseas buyers will survive; it may bear valuable fruit in the future.

Items listed as "new inventions, developments and ideas" included a new flexible, non-shrinking composition for manufacturing moulds for casting in plaster, cast resins, etc.; a "Minicine" projector (height, 6 in.; weight, 2½ lb.) working from a six-volt battery, taking 12 in. films and showing ninety-two pictures in five minutes; a dry shaver with oscillating blade operating in direct contact with the skin; a polyvinyl chloride glove impervious to acids (including hydrofluoric), alkalis, dust, graphite grease, oils, powders, solvents, spirits, etc.; a blue dyestuff with good fastness to light and possessing other valuable properties; a specific for the control and cure of blackhead disease in turkeys; a hæmoglobinometer-photometer produced in co-operation with the Medical Research Council; electrically operated "mantles" for heating laboratory flasks; a 35 mm. continuous film-recording camera used in conjunction with an oscilloscope (for cosmic-ray research), and, by a chemical manufacturer, a new domestic and industrial "soapless soap" that cleans, wets out, disperses, emulsifies and penetrates in one operation, in hot or cold, hard or soft, acid or alkaline water.

Minor Criticisms

Many visitors remarked on the absence of seats at the Fair, and the number who took the opportunity, when calling at the C. & D. stand, of sitting down for a while before embarking on more calls points a moral that should be acted upon by the Fair organisers or by standholders.

Signposts were on the whole well designed, but more of them were needed, and it would be helpful in future years if more indications were given of the stand numbers to be found in each gateway.

B.P. CHANGES AT A GLANCE

(Continued from THE CHEMIST AND DRUGGIST, May 8, p. 609)

New monographs in **Black Type**. Retained monographs in **CAPITALS**. Omissions in [*Italics*] between square brackets. M.W.=Molecular weight (previous figure in parentheses). Min.=Minims. gr.=grain. gm.=gram. M.P.=Melting point.

AMYLIS NITRIS.—Monograph rearranged.

Only change: Weight per mil at 20°, 0.868 to 0.878 gm. replaces Specific Gravity (15.5°/15.5°), 0.874 to 0.884. [*Amylocainæ Hydrochloridum*.]

AMYLUM.—May be maize, rice, wheat or potato starch; (maize starch only in 1932 B.P.; rice starch was made official by Addendum I). Description includes all four types of polysaccharide granules under separate headings. Acidity test added. Ash: Not more than 0.3 per cent. (maize, wheat and potato) and 0.6 per cent. (rice). Preparation: Glycerinum Amyli (Wheat Starch). Starch is also an ingredient of Pasta Zinci Oxidi Composita.

ANETHUM.—Monograph rearranged, with separated macroscopical and microscopical features in greater detail (e.g., "glabrous with four wide dark brown valliculæ" replaces "glabrous brown"). Endosperm, orthospermous (added). Acid-insoluble ash: Not more than 3.0 per cent. (instead of Ash: Not more than 11 per cent.). Volatile oil: Not less than 2.5 per cent. (new). Dill should be stored in a cool dry place (added).

Anethi Pulvis.—Pale brown. Diagnostic structures: Epidermal cells of pericarp with striated cuticle; fragments of brown endothelium of vittæ; parenchymatous cells of the mesocarp with lignified reticulate thickening; thick-walled parenchymatous cells of the endosperm containing much fixed oil, numerous small grains containing micro-rosette crystals of calcium oxalate; trichomes and starch absent. Complies with requirements under "Anethum" for acid-insoluble ash and foreign organic matter. Volatile oil: Not less than 2.0 per cent. v/w. Storage: Powdered dill should be kept in a well closed container which prevents the loss of volatile oil, and stored in a cool place.

Aneurinæ Hydrochloridum.—Monograph rearranged from Addendum VII with the following modifications: Graphic formula: M.W. 355.3 (355.2). Doses, increased: Prophylactic, 1/60 to 1/20 gr. Therapeutic, $\frac{1}{4}$ to $\frac{1}{2}$ gr. (from 1/200 to 1/100 gr. and 1/100 to 1/30 gr.

respectively). References to units of antineuritic activity omitted. Note that antineuritic activity of a preparation is determined by biological assay is deleted.

[*Pulvis Vitamini B* and the *Biological Assay of Antineuritic Vitamin* (Vitamin B) of Addendum I have been dropped following the adoption of pure Vitamin B. The statement of Addendum III, that 1 gm. contains 320,000 units of antineuritic activity was left out in Addendum VII.]

ANTIMONII ET POTASSII TARTRAS.—Synonyms: Tartar Emetic; Antimony Potassium Tartrate (Antimonium Tartaratum and Tartarated Antimony being deleted). Preparation: Injectio Antimonii et Potassii Tartratis. Paragraph on "Sterilisation of a solution" omitted, the methods as modified by Addendum IV being incorporated in the monograph on Injection of potassium antimonyl tartrate.

ANTIMONII ET SODII TARTRAS.—Synonym: Antimony Sodium Tartrate (new). Preparation: Injectio Antimonii et Sodii Tartratis. Sterilisation paragraph omitted.

Antitoxina.—A new monograph giving particulars in general to obviate repetition under individual monographs. It applies to: Antitoxinum Diphthericum; Antitoxinum Œdematiens; Antitoxinum Œdematiens Compositum; Antitoxinum Septicum; Antitoxinum Tetanicum; Antitoxinum Welchicum. The description and requirements are in the main those formerly appearing under the individual antitoxin. The word "contaminants" replaces "bacteria" and "a suitable antiseptic is added to the liquid forms if issued in multiple dose containers" (instead of "may be added to the liquid forms"). The injunction to store liquid preparations at as near 0° as possible is amplified: "The rate of deterioration during five years is negligible at 0° and at 5° does not exceed each year 5 per cent. of the previous year's value" . . . "while at 37° preparations may lose one-quarter to one-half of their activity in a year." Labelling conditions are revised

to conform with the Therapeutics Substances Act, 1925. The label or wrapper on the package, or the label on the container states (1) the name of the product; (2) whether the product is natural serum, antitoxic globules, or a derivative of antitoxic globules in liquid or dried form; (3) the date after which the preparation is not intended to be used. The label on the container states (1) the name of the product; (2) the minimum total number of units in the container; (3) either (a) the number of units in 1 mil or 1 gm., or (b) the total number of mils of liquid, or gm. of dried product, in the container.

ANTITOXINUM DIPHthericum.—Potency increased: Liquid preparations, 500 units per mil (instead of 400); solid preparations, 5000 units per gm. (4000). Doses, by injection, modified to: Prophylactic, 500 to 2000 units (500 to 1000); Therapeutic, not less than 10,000 (10,000 to 20,000).

Antitoxinum Œdematiens.—Monograph abbreviated from that of Addendum I in abbreviated form. Potency: liquid preparations not less than 1,500 units per mil; Solid preparations not less than 15,000 units per gm. (new). Solids: Not more than 1.0 gm. per 25,000 units in solution of antitoxic globules (instead of not more than 20 per cent.). Doses, by injection: Prophylactic, 10,000 units (20,000), Therapeutic, not less than 30,000 (50,000 to 100,000).

Antitoxinum Œdematiens Compositum.—Admixed gas-gangrene antitoxins. Potency of liquid preparations: Œdematiens, not less than 1000 units per mil; perfringens not less than 1000 units per mil; and septicum, not less than 500 units per mil. Doses, by injection, correspond to not less than ten times (prophylactic) and thirty times (therapeutic) the foregoing potency per mil.

Antitoxinum Septicum.—Synonym: Gas-gangrene Antitoxin (Vibrione Septique) (the name that headed the original monograph in Addendum I). In the renamed and abbreviated monograph potency is now specified: Liquid preparations not less than 500 units per mil and solid preparations not less than 5000 units per gm. Solids: Solution of antitoxic globulins, not more than 1.0 gm. per 15,000 units. Doses, by injection 5000 units (prophylactic) and not less than 15,000 units (therapeutic).

[*Antitoxinum Staphylococcicum.*—Added by Addendum I in 1936 and deleted in the 1948 B.P.]

ANTITOXINUM TETANICUM.—Monograph abbreviated. Identification: *Clostridium tetani* replaces *Bacillus Tetani*. The following is added to particulars under "Antitoxina":—Potency. For therapeutic use, liquid preparations not less than 1000 units per mil (instead of 300), and solid preparations not less than 10,000 units per gm. (3000). For therapeutic use, liquid preparations not less than 5000 units per mil (1600), and solid preparations not less than 50,000 units per gm. (16,000). Solids, not more than 1.0 gm. per 20,000 units in solution of antitoxic globulins or their derivatives. Doses, by injection: Prophylactic, not less than 3000 units (formerly 1000 to 2000); Therapeutic, not less than 100,000 (20,000 to 40,000).

Antitoxinum Vibriosepticum.—Monograph of Addendum I is renamed "Antitoxinum Septicum" (*q.v.*).

ANTITOXINUM WELCHII.—Particulars of storage and labelling now given under "Antitoxina." Potency: Liquid preparations, not less than 250 units per mil, and solid preparations not less than 2500 units per gm. (new). Solids, not more than 1.0 gm. for each 7500 units. Identification: It renders the toxins formed by *Clostridium perfringens* (commonly known as Welch's bacillus, Type A) harmless to susceptible animals (instead of *Bacillus perfringens* (*Bacillus Welchii*)). Doses by injection: Prophylactic, 10,000 units (instead of 4000); Therapeutic, not less than 30,000 units (formerly, 10,000 to 20,000 units, by intravenous injection).

APOMORPHINÆ HYDROCHLORIDUM.—Graphic formula now given. M.W. 312.8 (instead of 312.6). Monograph rearranged. Paragraph on "Sterilisation of a solution" deleted. Preparation: Injectio Apomorphinæ Hydrochloridi (sterilisation and rejection requirements of Addendum IV being included in the monograph thereon). Doses: Emetic, by subcutaneous injection, $\frac{3}{2}$ to $\frac{1}{2}$ gr. (formerly Hypnotic and Emetic). "Expectorant" doses have been deleted.

AQUA ANETHI CONCENTRATA.—Use of potable water (Addendum IV) withdrawn. Note on dilution equivalent to Distilled Dill Water omitted.

[*Aqua Anethi Destillata.*]

(To be continued)

PROPRIETARY ASSOCIATION OF GREAT BRITAIN

Mr. F. A. S. Gwatkin, chairman of the P.A.G.B., protests against the Government's proposals to continue to tax proprietary medicines. Abstracts from Mr. Gwatkin's speech (delivered prior to the annual meeting of the Association) are given below.

THE annual general meeting of the Proprietary Association of Great Britain, held in London, on Thursday, May 6, was preceded by a Press conference at which the chairman of the association, Mr. F. A. S. Gwatkin, protested against the Government's proposals to continue to impose purchase tax at the rate of 33½ per cent. on branded medicines while removing the tax from non-proprietary medicines which complied with the provisions of the eighth schedule of the Finance Bill No. 2. In the course of his address, Mr. Gwatkin said:—

Effect of Proposals

In Clause 21 and Part II of the eighth schedule of the Finance Bill No. 2 provisions it is quite clear to those with the special skill necessary to decipher the obscure meaning of such Bills, that certain medicines are to be exempt from purchase tax, providing they do not bear a trade mark, a brand name, or be in any way a proprietary article. Nor is that all. For under this iniquitous provision, if the medicine bears on the bottle a description of its main function, for example, "cough mixture," or "laxative," it will be subject to purchase tax of 33½ per cent. This means that all drugs and medicines which consist solely of one or more of the substances described in the British Pharmacopœia or British Pharmaceutical Codex will be free of purchase tax, providing they are labelled in strictly defined terms.

These medicines, which are largely unknown to the public and which are in many cases much inferior to the branded preparations, may take preference with the public, if purchase tax is to be avoided, over the branded medicines which have built up a world-wide reputation and are well-known to the public. They must be labelled either with the official Latin or English description, synonym, or abbreviation. Thus, if the young mother has been accustomed to buying, say, a particular brand of emulsion for her children, she is not going to take kindly to purchasing a bottle of "Emulsion of liquid paraffin with hypophosphites, B.P.C." She will not believe it is the same thing or as good and she would not be far wrong. "Yet she will be forced to pay tax on the branded product and not on the paraffin emulsion," stated Mr. Gwatkin.

Proprietary medicines are, in the main, household medicines to be found in the medicine chest of every home. To put upon the market an anonymous preparation (and the purchase-tax exempted substance may well be so), setting out the ingredients in their Latin or scientific names on a label (as these provisions of the schedule provide), would mean nothing to the ordinary person and would tend to confuse practitioners and dispensers. Unbranded preparations may be produced under conditions involving no proper standards of hygiene or of technical control. The public would not be able to distinguish between the good and the inferior packs, or indeed to know that the product was what they were accustomed to buying. As is well known in the trade, in not a few instances the formula of the original proprietary has, by reason of its proved efficacy, been adopted for inclusion in the official pharmacopœias and quoted under scientific names. Some of these substances are prepared and packed for sale to the public yet often they do not in any way approach the standard or quality of the original proprietary, in fact, in many cases, they are very inferior. These new proposals will only serve to encourage the marketing of products without that guarantee and safeguard to the purchaser which is inherent in a branded product.

Repercussions Upon Export Trade

Proprietary medicines, that is, medicines sold under a brand or trade mark, are manufactured in this country not only for the home trade, but largely for the export trade. In 1947, proprietary medicines were exported to the extent of nearly 425 per cent. of the 1938 value. The target figure has recently been increased by a further 40 per cent. over 1947, which, if achieved, will yield over 600 per cent. of the pre-war export trade with a value of £8½ millions. Proprietary medicines are purchased by foreign buyers largely by reason of their reputation in their home country and by virtue of advertising in the British Press (which is sent to foreign countries, Dominions and Colonies) and in the Press of foreign countries. It would be difficult to sell an unbranded product to a foreign buyer, particularly when he is a sole concessionaire and is building up a trade in a foreign

country. To give up branded articles for the home market and produce branded articles for export only would be commercially impracticable.

Advances in medicines in this country have almost entirely resulted from the research of manufacturers engaged in private enterprise and very few from official research or development. Manufacturers of proprietary medicines have the credit for originating many of the drugs which are now largely employed in the practice of medicine. Hundreds of highly-skilled research scientists are employed by Britain's manufacturing chemists, and some of them have been responsible for the development of drugs and proprietary medicines which have saved thousands of lives both in peace and war. Under the regimentation of medicine through the Finance Bill, scientific research will be penalised.

Concluding his address, Mr. Gwatkin said "The provisions of the Finance Bill in short inform manufacturers that if they give up their brands, they can sell their medicines free of purchase tax. If they do not do so, they are forced to add purchase tax at the rate of 33½ per cent. The manufacturers of proprietary medicines feel very strongly that no medicines should be subject to purchase tax. What the public should recognise is that these proposals may be the thin end of the wedge. This discriminatory tax may soon be extended to branded goods in other fields. These proposals attempt to undermine the basis upon which trade has been built up in this country, and, in fact, in most civilised countries. It is an attack upon competitive enterprise. As a tax on labelling the goods you produce with your house name, it is a straightforward attack on branded goods and trade marks. Today, it is proprietary medicines, but it may be food, soap, or soft drinks, or cigarettes, or motor-cars next."

GERMAN SYNTHETIC SOAP

By a process for the synthesis of fatty acids from hydrocarbons, which is the subject of B.I.O.S. Final Report No. 1560, Item 22 (H.M. Stationery Office, price 5s. 6d.), 400 tons weekly of fatty acid for soap production were synthesised at three plants at Witten, Germany, in 1943-44. Most of the hydrocarbon-wax used as commencing material had itself been synthesised from carbon monoxide (prepared from coke) and hydrogen by the Fischer Tropsch process. The fatty-acid producing process consisted of oxidising about one-third of the hydro-

carbon-wax by blowing air, washing with water, and removing for reoxidation the unchanged wax. Brown-coal wax and certain other waxes have also been used as commencing materials. The fatty acids could be converted to soap in the same way as natural fatty acids by saponification first with sodium carbonate, and finally with sodium hydroxide. The acid value of the main fraction of the synthetic acid was 250-258, ester-value 3-6, iodine value 11-15 and saponification value 256-262. The first runnings of the acid were liquid (and had a fatty acid range of C_4 to C_{10}), while the main fraction had a setting point of 30-35° C., with fatty acid range of C_6 - C_{20} . Soda soaps made from the main fraction resemble palm kernel and coconut soaps in salting-out properties, but differ in being soft and slightly sticky. The detergent properties were about the same as those of soaps made in the corresponding natural acids. The outstanding disadvantage was an unpleasant odour imparted to the human skin. Efforts to discover and remove the cause of the odour have met with little success.

BAL USES CLASSIFIED

THE therapeutic uses of BAL have been classified by Weatherall ("Practitioner," March, p. 239) as follows:—

Known to be effective in:—

- Local and systemic poisoning by arsenical war gases
- Exfoliative dermatitis following arsenical therapy
- Arsenical encephalopathy
- Agranulocytosis following arsenical therapy
- Acute mercuric chloride poisoning
- Exfoliative dermatitis following gold therapy

Of doubtful value in:—

- Aplastic anaemia following arsenical therapy
- Hepatitis following arsenical therapy

Likely to be effective (but value not yet clinically assessed) in:—

- Toxic reactions to compounds of antimony, bismuth, gold and mercury (in addition to toxic reactions mentioned above)
- Methæmoglobinæmia from any cause

May prove hazardous in:—

- Poisoning by lead

Apparently ineffective in:—

- Argyria
- Poisoning by thallium compounds

Although the only untoward reaction to BAL is skin sensitisation, observations suggest that it may enhance the toxicity of substances against which it is used. The compound formed by BAL and Mapharside, for example, is more toxic than Mapharside alone when administered intramuscularly into rats, although complete protection is provided by the use of excess BAL.

TREATMENTS OF VARICOSE VEINS

At an evening meeting of the Pharmaceutical Society of Great Britain held in London, recently, Mrs. J. K. Irvine (president) in the chair, Mr. R. ROWDEN FOOTE spoke on "Varicose Veins."

Search for Perfect Sclerosant

Mr. Foote said that for over a quarter of a century he had been using sclerosant drugs prepared by pharmacists, but the perfect sclerosant had not yet been produced. It was estimated that at least 10 per cent. of the population of the country were sufferers from varicose veins. To understand the condition and its frequent complications (ulceration, eczema, phlebitis) it was necessary to follow the history of varicose veins treatment from the earliest days. 2,500 years ago Hippocrates had taken a sharp needle and punctured the vein at intervals, frequently obtaining a thrombosis as a result. Today, said Mr. Foote, he was doing the same thing by passing a rough-headed needle down the length of the vein. Celsus, in the days of Cæsar, used to tear out veins, cauterising the ends. Galen (A.D. 130-200) tore out veins with a hook. Aetius of Amida (A.D. 502-575) tied veins and stopped bleeding by pressure with bandages. Paul of Aëna, in the seventh century, marked the veins with skin ink and made an incision exposing the vein. He then applied a ligature, pouring wine into the wound as an antiseptic measure. Pare (A.D. 1510-1590) "the prince of surgeons and surgeon of princes" used to divide varicose veins in the middle of the thigh. The speaker instanced similar examples from other periods.

In 1846 Sir Benjamin Brodie described the test for the varicose internal saphenous vein which half a century later received the name of Trendelenburg. Trendelenburg (1884-1924) divided varicose veins in the middle of the thigh and the improved operation of today still bore his name. All cases of varicose veins could be benefited by treatment and cases of varicose ulceration, other things being equal, could be cured.

Present facilities for treatment, said Mr. Foote, were unsatisfactory. The varicose patient was frequently regarded as just a nuisance. His operation came at the end of a tiring list for the surgeon and was frequently performed by a student. The patient with a varicose ulcer did not get the encouragement he deserved, and was

often told that nothing could be done beyond wearing a crêpe bandage or elastic stocking and avoiding a job that entailed standing.

Methods of treatment could be divided, for simplicity, into three groups:—

CONSERVATIVE.—Treatment of the limb by support with either the one-way-stretch, two-way-stretch, or elastic-adhesive bandages.

SURGICAL.—Tying the varicose vein flush with the femoral vein in the groin, making meticulously sure that every small branch at that point was picked up and ligated. The patient need be away from his work only twenty-four hours and suffer only slight discomfort or stiffness. It was usually possible to achieve a complete cure. Any recurrence could be benefited by further treatment.

INJECTION.—The history of sclerosant treatment had begun with the introduction of the first hypodermic syringe. Nocuous and toxic substances were injected into the blood stream and, although some successful cases were reported, there were many cases of fatality and sepsis. Substances used as sclerosants included ferric chloride, iodotannin, phenol, mercuric chloride, alcohol and Lugol's solution. Sclerotic treatment was condemned at the Lyons Surgical Congress of 1894, but investigations continued, and between 1917 and 1937 the following sclerosants were tried: Lithocaine, invert sugar, quinine urethane, sodium salicylate, hypertonic sodium chloride, sodium morrhuate and monoethanolamine oleate. Sometimes a "twin" injection of lithocaine and quinine urethane was used.

"Entire Picture Altered"

Until recently, a woman suffering from thrombo-phlebitis of deep vein was put to bed, sometimes for months. Years later she would develop a gravitational ulcer. The introduction of heparin and dicoumarol had altered the entire picture of deep-vein thrombosis. Dicoumarol was cheap and efficient, but its action was delayed by thirty-six to forty-eight hours, during which the patient might die. Heparin was quicker in action, but was at present expensive and difficult to obtain. He hoped that chemists would be able in the course of time to remedy the two defects.

A vote of thanks to the speaker was proposed by Dr. G. R. Boyes.

BRUNSWICK SQUARE FINANCES

At a meeting of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society on April 2, Mr. H. CLEMENT SHAW (vice-president of the Society) spoke on "Brunswick Square and the Society's College." Mr. Shaw said that during his period as treasurer of the Society he had been alarmed at the mounting cost of the Society's College. In 1925 the net cost had been £2,211, in 1945, £14,733. It had become obvious that the Society could not carry the burden much longer unless it divorced itself from London University and its standards. The University had increased its annual grant from £650 to £4,000, and almost immediately to £12,000. As the financial contribution increased, the University expected a greater voice in the management of the college. It was finally decided that the college should have its own entity, first as a non-profit-making limited company and eventually with its own charter. As a college of the university it budgeted in five-yearly periods. In the first period (1947-52) the Society's annual contribution would be £10,000. In the estimates for 1947-48, expenditure would be about £44,000, income (including grants of £24,000), £30,000, leaving a deficit of about £14,000.

Future Finances

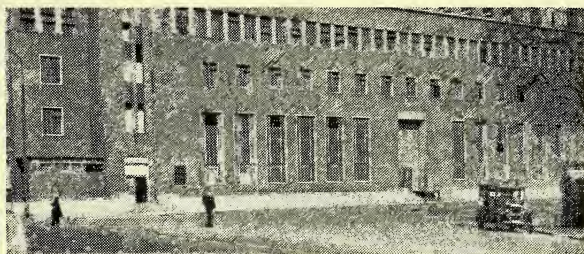
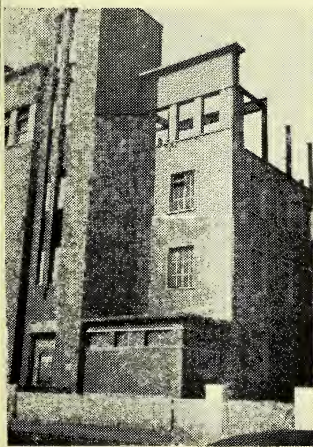
In the estimates of the treasurer for 1951-52 (based on the assumption that the college would then be housed in the new building), expenditure would be £82,169;

income (including grants of £24,000), £33,770; leaving a deficit of £48,399. The grants would be: Pharmaceutical Society, £10,000; University, £12,000; Wellcome Trust, £2,000. Responsibility for the deficiency would rest with the University. In the second five years members might feel the Society had an obligation to spread its grant so as to cover other colleges of pharmacy.

Offer to Purchase

The Society had bought the Brunswick Square site in 1930. When building operations were stopped by the war, about £192,000 had been expended. The building would cost at least another £400,000 to complete, with £100,000 extra for laboratory equipment. The University was anxious to buy the building as it stands, paying cost price for the five-eighths intended for the college, and present values for the remainder. Valuers were at present at work, but the consent of a general meeting of the Society called for the purpose was necessary before the property could be sold. Money donated for the new building could be refunded, or the donors might prefer to transfer it to a charitable fund.

Mrs. J. K. IRVINE (president of the Society) gave an address entitled "1948—An Eventful Year for Pharmacy," dealing mainly with the position and opportunities for pharmacists in the National Health Service. Mr. J. C. Somerville presided at the meeting.



GOODBYE TO ALL THAT. Not the nightingale but the swan has sung in Brunswick Square, where the intended new headquarters of the Pharmaceutical Society stands in the half completed state shown in the accompanying illustrations made from recent photographs. Construction of the building, decided upon in 1938, was interrupted by the war. Post-war costs, greatly above the already costly levels of the pre-war years, dictated its disposal. Discussions are in progress with the prospective new owners, the University of London.

FIFTY YEARS OF EMETINE MANUFACTURE

JUST over fifty years ago the first commercial batch of pure emetine was manufactured from ipecacuanha at the Battersea works of Thomas Whiffen. In November 1897, W. G. Whiffen had filed his applications for English and German patents (E.P. 26442/1897; G.P. 99090/1897) for the purification of emetine by precipitation as the hydrobromide; two months earlier the entry "First Factory Working of Rio Root: Examination of Emetine Hydrobromate; First Factory Product (10 oz.)" was recorded in the laboratory notebook of Mr. Waitt, then chief chemist of the firm. Already the firm enjoyed a high reputation for the production of other alkaloids, such as quinine, strychnine, caffeine, etc. The first sale (20 gm. for 4s. 6d.) appears to have been made some months later. Mr. Waitt had formerly worked in the laboratory of the consultants Paul & Cownley, who are well remembered for their pioneer researches on alkaloids and in particular on the ipecacuanha alkaloids.

Varieties of Root

The dried ipecacuanha roots of commerce are derived from certain South American species of the botanical family *Rubiaceæ*, chiefly *Cephaelis ipecacuanha* (Brot.) A. Rich. (synonyms, *Uragoga ipecacuanha*, Baillon; *Psychotria ipecacuanha* Müller Arg.), which grows wild in the wet forest regions of Brazil and especially in Matto Grosso, and furnishes the "Brazilian ipecacuanha" of commerce, and *Psychotria (Cephaelis) acuminata*, Karsten, (syn. *Uragoga granatensis*, Baillon) found in other regions of South and Central America, notably Colombia (whence the "Carthagená" or "New Granada" ipecacuanha), Nicaragua and Costa Rica. Since 1866, *C. ipecacuanha* has also been cultivated in Asia, in Malaya, Bengal and Burma, passing into trade as "Johore ipecacuanha."

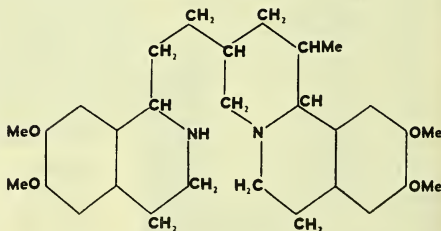
Brazilian ipecacuanha was brought to Europe by Piso and Marcgraf in about 1658. The powdered root and liquid extract from it were both used considerably in medicine as an emetic and expectorant, and to some extent for the treatment of intestinal affections, but it was not until 1817 that Pelletier and Magendie ("Annales de Chimie Physiologique," 1817 (ii) 4, 172; 1823, (ii) 24, 180) isolated what they believed to be the active principle of the drug; this they termed "emetine." The substance was, in fact, a crude con-

centrate of at least the three principal alkaloids now known to be present in the root. Commercial production of such emetine was started by the firm of E. Merck in 1831. Little further progress was made until 1894, when Paul and Cownley published their classic studies of the ipecacuanha alkaloids ("Pharmaceutical Journal," 1894 (iii), 24.61; 25.641, 690 *et seq.*) in which they showed how the crude alkaloidal extract could be resolved into three main components. The two principal ether-soluble alkaloids (for one of which they retained the name emetine, the other being called cephaeline) were separated and isolated in a pure state by taking advantage of the phenolic alkali-soluble character of cephaeline: crystalline derivatives were prepared and tentative empirical formulæ proposed. A third phenolic alkaloid psychotrine, which is only sparingly soluble in ether, was also isolated.

In 1914, Carr and Pyman ("Journal of the Chemical Society," 1914.105.1591) carried the investigation still further by discovering the close chemical relationship between the three alkaloids; he showed how cephaeline, $C_{25}H_{27}(OMe)_3(OH)(NH)N$ could be converted into emetine alkaloid, $C_{25}H_{27}(OMe)_4(NH)N$ by methylation of the free hydroxyl group of the cephaeline.

Four other alkaloids of minor importance have also been isolated from ipecacuanha (*cf.* Hesse, "Pharmaceutical Journal," 1898 (iv), 7.98; Pyman, "Journal of the Chemical Society," 1917.III.428).

As a result of further research by Pyman, Windaus, Hermanns, Späth and Leithe, and Robinson, the structural formula for emetine shown below was suggested by Brindley and Pyman ("Journal of the Chemical Society," 1927.1067):—



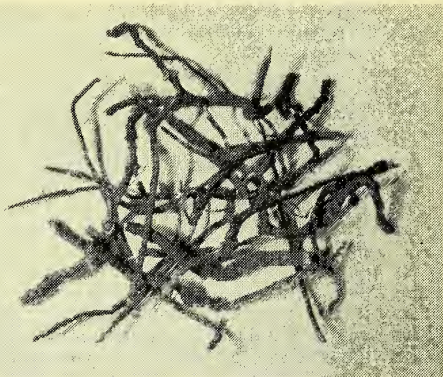
Passing now to technical production, the extraction of emetine is simple enough in principle, although in practice, as one so often finds, it requires considerable exper-

ence and skill. The process consists essentially of the extraction of the alkaloids from the powdered root with a solvent such as ether in the presence of alkali (ammonia), which liberates the alkaloids from the complexes in which they occur in the plant, followed by the isolation of emetine from the extract. The phenolic alkaloids cephaeline and psychotrine are removed in the form of their water-soluble alkali salts, and the emetine is finally purified by precipitation from ethereal or alcoholic solution as the insoluble hydrobromide. This method of refining, originally patented, as already mentioned, by W. G. Whiffen in 1897, is now almost universally adopted. The free emetine alkaloid, or other derivatives, may then be prepared from the hydrobromide as required.

Variations in Alkaloidal Content

The content of total alkaloids, and particularly the proportion of emetine present, in ipecacuanha varies according to the origin of the root. The Brazilian Matto Grosso variety is the richest in emetine, containing 1.8 per cent. of this alkaloid (i.e., about 70 per cent. of the 2-3 per cent. of total alkaloids present). Other South American varieties may contain the same or a slightly higher percentage of total alkaloids, but less emetine (only 30-40 per cent.) the chief component being the sister alkaloid cephaeline which, although an active amœbicide, is more toxic than emetine and less suitable for therapeutic use. Psychotrine constitutes only about 2 per cent. of the total alkaloids. Malay ipecacuanha contains about 2 per cent. of total alkaloids, of which about half is emetine.

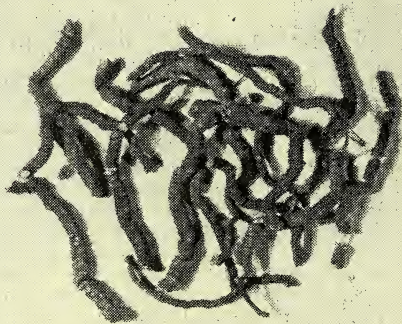
Before the 1939-45 war, the Brazilian root was the one mainly employed in this country, as the British Pharmacopœia stipulated the use of *C. ipecacuanha* and a content of not less than 2 per cent. total alkaloids, of which not less than two-thirds should be non-phenolic alkaloid (emetine), whether for ipecacuanha used as such or for the preparation of the official liquid extract. The high emetine content of the Rio root was naturally an advantage also to the manufacturers of emetine alkaloid. During the war, however, supplies became very short, for, as a consequence of the occupation of Malay by the Japanese, it became more profitable in Brazil to collect wild rubber than ipecacuanha. Later, also, the manufacture of emetine was commenced in Brazil, and the



Matto Grosso ipecacuanha



Nicaraguan ipecacuanha



Colombian (Carthagena) ipecacuanha

export of the root itself was prohibited. The B.P. was therefore forced to modify its standards in order to allow the use of ipecacuanha roots from other sources (Nicaragua, Costa Rica, etc.) for the preparation of powdered ipecacuanha and the liquid extract. The proportion of emetine was progressively reduced, first to 60 per cent. and then to 55 per cent., and since 1946 the requirement has been limited to "not less than 2 per cent. total alkaloids," without any reference to the content of emetine, while the employment of *C. acuminata*, as well as *C. ipecacuanha*, is sanctioned (*cf.*, "London Gazette," May 21, 1946). Similarly, manufacturers of emetine have had to fall back on these other varieties, which were, indeed, extensively employed by Continental manufacturers before the war. Fortunately, it is fairly easy to convert the by-product cephaeline into the more useful emetine by methylation, and the semi-synthetic emetine so produced is not only chemically identical with the natural alkaloid but also fully equivalent in physiological activity. As a sequel to their researches referred to above, Carr and Pyman, in conjunction with Wellcome, obtained British Patents 14,677 and 17,483 of 1913 for the conversion of cephaeline into emetine by methylation, sodium methyl sulphate being the preferred methylating agent. Other methylating agents have been claimed in later patents from abroad. (The preparation of other alkyl derivatives of cephaeline by analogous treatment with higher alkylating agents has also been patented, but these products do not appear to have found use in medicine.)

Medicinal Uses of Emetine

The history of the use of emetine in medicine is the story of a highly successful fight against amœbic dysentery, an ancient scourge of hot climates. The employment of ipecacuanha as an empirical remedy in the treatment of dysentery is very old. In 1648, Piso, who had been travelling in South America about 1640, records its use by the natives to cure the "Fluxus Ventris" (i.e., dysentery); it was introduced into French medical practice by Legras, and by 1681 J. A. Helvetius was using the root as a highly successful secret remedy for intestinal affections. Ipecacuanha was being employed in small doses to treat dysentery and diarrhoea by Bardsley and by Twining in the early part of the nineteenth century. In 1868 it was used by Surgeon E. S. Docker, A.M.S., in

Mauritius in larger dosage with exceedingly promising results, which were confirmed by many other physicians working in India; and in 1880 Docker received a Government gratuity in recognition of his work. Later the drug fell out of favour.

Disadvantages Avoided

The great disadvantage of oral ipecacuanha therapy was the disagreeable and exhausting nausea and vomiting produced when the drug was administered in the requisite large doses. The unpleasant sequelæ were attributed, not incorrectly, to the alkaloids present, but, curiously enough, the alkaloids were not credited with the beneficial amœbicidal action, and for some years alkaloid-free preparations, or "ipecacuanha sine emetina," became popular. However, the value of ipecacuanha was again emphasised by Walsh, Sir Patrick Manson and Leonard Rogers in the early 1900's, and in 1911 E. B. Vedder, of the United States Army Medical Corps, proved that emetine-free material was of no value, and demonstrated by *in vitro* experiments that emetine alkaloid itself was highly toxic to *Entamoeba histolytica*, the causative parasite in amœbic dysentery. A year later, Professor (later Sir) Leonard Rogers ("British Medical Journal," 1912 (i).1424; (ii).405) put on record the strikingly successful results obtained in his first experiments in treating cases of severe amœbic dysentery and hepatitis by subcutaneous injections of solutions of pure emetine hydrochloride. The curative action of emetine so administered proved to be dramatic.

It was later realised that emetine, although it killed all the amœbæ present in the motile form, failed to eradicate completely the encysted forms of the parasite present in the lumen of the bowel. For such cases, preliminary treatment by injection of emetine salts was accordingly supplemented or replaced by oral medication with ipecacuanha in keratin-coated pills or modified preparations such as emetine bismuth iodide; today, certain synthetic chemotherapeutic agents, such as carbarsone, vioform and chiniofon (Yatren) have largely replaced emetine in the treatment of mild chronic and carrier amœbiasis. On the other hand, emetine remains unsurpassed for dealing with the acute symptoms of severe amœbic dysentery, and is the only effective amœbicide for the treatment of amœbic hepatitis and surgical amœbic lesions, such as abscesses of liver, lungs and brain.

NEW BOOKS

Essentials of Pharmacology. — F. C. Oldham, M.Sc., Ph.D., F. E. Kelsey, Ph.D., E. M. K. Geilding, Ph.D. 7½ in. x 4½ in. 30s. J. B. Lippincott Co., Aldine House, Bedford Street, London, W.C.2. The authors, three workers at Chicago University, have presented an up-to-date, simply written, and comprehensive textbook. The material, which is of a standard suitable for the non-specialist student, or for everyday reference, is laid out accessibly, and an adequate index makes for easy reference. The drugs are grouped according to their action and uses, and at the end of each chapter are given lists of proprietary and other preparations compiled from standard works of reference, including the British Pharmacopœia, 1932, and Addenda. A bibliography of recent work is also given. Sections on DFP, nitrogen mustards, folic acid, and radioactive phosphorus, and mention of papers published in 1947, indicate how recent is the information provided. Chemical formulas are liberally included, and differences in similar structures are emphasised with bold type. It is a pity a better quality of paper could not have been used.

Pharmaceutical Laboratory Manual. — R. A. Knever, Ph.G., Ph.C. 9½ in. x 6½ in. Pp. 290. 21s. J. B. Lippincott Co., Aldine House, Bedford Street, London, W.C.2. In a double sense this book is of academic interest. Written by the dean of the college of pharmacy of the State University of Iowa, U.S.A., the work is a textbook of a rather unusual kind—prepared, according to the author's preface, around five general ideas. He set out to "offer an attractive range of material" to pharmacy students; to make the experiments clear enough to be understood by the average student without "constant personal supervision"; to arouse interest in pharmaceutical operations by emphasising the whys and wherefores; to avoid any tendency to encourage mechanical performance of the experiments; and to combine manual and notebook in one volume. Some of the instructions may be regarded by teachers in this country as unnecessarily elementary, though it is fair to add that the most obvious examples (like "be sure pans are clean to avoid contamination" under "How to use the balance") are addressed to the raw beginner, at the start of his college career and of the book. After preliminary pages of general suggestions, instructions on weighing, measuring, wrapping, the remain-

der of the book is given over to the "experiments," the preparation of galenicals of every kind. In line with the author's "general ideas," each "experiment" gives formula and directions for making the preparation, notes on its uses, modes of administration, constituents, chemistry (including formulas and equations where called for), and five questions designed to test and to expand the knowledge of the student, with space provided to write in the answer. The excellence of the paper, typography and binding, and the wideness of the margins, are in contrast to British economy standards, and from any aspect so far touched on the work is worth study by pharmaceutical educationists, and even students, in Britain. The other respect in which it is academic is, however, that the galenicals with which it deals are, of course, those of the United States, not of Britain. A person who, even starting with no knowledge, mastered its contents, could lay claim to a sound grasp of the principles and practice of galenical pharmacy, but would need to supplement his knowledge in order to pass the British examination.

A PHARMACIST'S ANTHOLOGY

WITH my long fingers I folded up the little packets, with an air as thoughtful and imposing as that of a minister who has just presented a protocol as interminable as unintelligible; and the look of solemn sagacity with which I poured out the contents of one vial into the other, would have well become the king's physician. . . . As I followed up my saturnine avocation, I generally had an open book on the counter beside me . . . a good, honest, heavy-looking, wisdom-implying book, horribly stuffed with epithet of drug; a book in which Latin words were redundant, and here and there to be observed the crabbed characters of Greek. Altogether, I cut such a truly medical appearance, that even the most guarded would not hesitate to allow me the sole conduct of a whitlow, from inflammation to supuration, and from suppuration to cure, or have refused to have confided to me the entire suppression of a gumboil. Such were my personal qualifications at the time that I was raised to the important office of dispenser."

From "Japhet in Search of a Father," by Captain Marryat.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, May 12

REPORTS to hand this week indicate that business in manufactured products has been fair while the demand for Mincing Lane commodities has been particularly quiet. The general tone in all markets is steady with only isolated price changes of minor importance. In PHARMACEUTICAL CHEMICALS the only tendency in price movement is a report that one source for CITRIC ACID has advanced their quotations. There is no change reported in CITRATES. With the exception of a quite good export inquiry CRUDE DRUGS have been dull, the home demand being negligible. The Continent, chiefly Denmark and Norway, are interested in a limited range of products but negotiations for the business are being obstructed by the refusal of the importing countries to grant import licences. The ESSENTIAL OILS markets are quiet and without feature.

The Ministry of Food announces that, in agreement with the Board of Trade, applications will be considered for the import of TEASEED OIL from Hongkong. Application forms ILD/A may be obtained from the Import Licensing Department, Board of Trade, 189 Regent Street, London, W.1, or from any of the usual Customs Offices or from the Ministry of Food, Oils and Fats Division, London Road, Stanmore, Middlesex. After completion in duplicate the forms should be sent direct to the Oils and Fats Division of the Ministry of Food at Stanmore not later than May 22.

U.S. Drug and Chemical Report

New York, May 7

THE markets for PHARMACEUTICAL CHEMICALS were without feature during the past week. There has been a small cut in the costs of BUTYL ALCOHOL, BUTYL ACETATE and BUTYL STEARATE, bringing the revised rates for these products to 31½-34 cents, 31½-32½ and 49 cents per lb. respectively. The New York resale market for ACETONE is understood to be virtually bare of supplies.

The price trend continued downward in the BOTANICAL DRUGS, SPICE and GUM market last week with CASCARA SAGRADA available at 38-42 cents per lb. (41-43 cents previously), STRAMONIUM LEAVES at 19-22 cents (22-25 cents), DANDELION ROOT at 60-65 cents (65-70 cents) and BURDOCK ROOT at 25-30 cents (30-42 cents). Lack of buying support in CARNAUBA WAX resulted in a further decline in the price to \$1.14 on the inside against \$1.18 in the previous week.

Buyers are still limiting their ESSENTIAL OILS purchases to immediate requirements and prices continue generally downward. The market for AROMATIC CHEMICALS continues firm,

Pharmaceutical Chemicals

ADRENALINE.—B.P. is offered at prices from 5s. 6d. to 6s. per gm. for natural and from 2s. to 2s. 6d. for synthetic; racemic is quoted at 2s. per gm.

ALLOBARBITONE.—Current price for 10-kilo lots is 90s. per kilo; smaller quantities are quoted at 99s. per kilo.

ALOIN.—Current quotations are around 24s. per lb.

AMIDOPYRINE.—Quotations are unchanged at from 53s. to 60s. per lb.

AMMONIUM CHLORIDE, B.P. — Makers quote 1-cwt. lots at 9½d. per lb.

BENZOIC ACID.—Makers' quotations are at from 2s. 7d. to 3s. per lb. for B.P., with technical grade at 2s. 6d. to 2s. 8d. SODIUM BENZOATE is quoted from 2s. 6d. to 2s. 8d.

BENZONAPHTHOL. — B.P.C. quality is offered at 14s. 6d. per lb.

BISMUTH SALTS.—Makers' prices per lb. for 1-cwt. lots are as follows: CARBONATE, 14s. 10d.; CITRATE, 12s. 6d.; SUBNITRATE, SALICYLATE, 12s. 9d.; SUBGALLATE, 15s. 9d.

BROMIDES.—Supplies are reported to be rather better. Current resellers' rates per lb. for POTASSIUM, in quantities of 28 lb. to 1 cwt. (containers in brackets), are as follows: 3s. 5½d. (1-lb.), 3s. 4½d. (2-lb.), 3s. 4d. (4-lb.), 3s. 3d. (7-lb.), 3s. 2½d. (14-lb.), 3s. 1½d. (28-lb.). In bulk, makers quote 1 cwt. at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ¾d. per lb. more than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K.

CAFFEINE.—Makers' current quotations (per lb.): ALKALOID, anhydrous, from 39s. 6d. to 43s. 6d., and B.P. from 37s. 6d. to 41s. 6d., according to quantity; CITRATE, from 22s. 6d. to 26s. 6d.; SODIUM BENZOATE, from 23s. to 27s. 6d.; SODIUM IODIDE, from 27s. to 31s.; SODIUM SALICYLATE from 23s. 9d. to 27s. 9d.

HEXYL RESORCINOL.—Prices are from 12s. to 13s. 6d. per oz.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): ALKALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d.; 16 oz., 87s. 6d. (4s.). HYDROCHLORIDE, HYDROBROMIDE and SULPHATE—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.).

HYPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; BARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 9s. 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 8s. 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. HYPOPHOSPHOROUS ACID in quantities of 6 Winchester quarts, is 6s. 2d. per lb.

IODIDES.—Prices (per lb.) of minor iodides are as follows: AMMONIUM, B.P.C.,

7-lb., 15s. 9d., smalls, 16s. 3d.; ARSENIC (triiodide), B.P., 28s. 6d.; CADMIUM, B.P.C., 22s.; CALCIUM, B.P.C., 19s.; ETHYL, 28s.; IRON, B.P.C., 14s.; LEAD, B.P.C., powder, 18s.; LITHIUM, B.P.C., 20s. 3d.; STRONTIUM, B.P.C., 18s. 6d.; ZINC, B.P.C., 19s. 3d.; MERCURIC, B.P., 7-lb., 14s. 3d., smalls, 14s. 9d.; MERCURIOS, B.P.C., green or yellow, 7-lb., 18s. 6d.; smalls, 19s.

IODINE PREPARATIONS.—Makers' prices per lb. for the home trade are as follows: POTASSIUM IODIDE, B.P.—1 cwt., 11s. 1d. SODIUM IODIDE, B.P.—28 lb., 12s. 1d. IODOFORM, B.P.—28 lb., powder, 15s. 7d.; crystals, 17s. 7d. RESUBLIMED IODINE, B.P.—1 cwt., 12s. 8d. Orders of 28 lb. and upwards may be comprised of assorted preparations at schedule rates. Packages are extra. Contracts may be booked for 1 cwt. and over of assorted preparations for delivery as required within three months with rise and fall clauses. Special rebate of 4d. per lb. allowed on quantities of 5 cwt., in one delivery, or on contract for delivery within three months.

IODOPHTHALEIN, B.P.—Current price is 60s. per lb.

IODXYL.—Current quotations are at 156s. 6d. per lb. for the home trade.

ISOPROPYL ALCOHOL.—Makers quote 15s. 3d. per gall. for small lots.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

LOBELINE HYDROCHLORIDE.—Prices are from 150s. per gm.

MANDELIC ACID.—Current prices per lb. are: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

MERCURY SALTS.—Makers' prices are unchanged: AMMONIUM CHLORIDE, B.P., powder, 9s. 5d.; lump, 9s. 3d. BICHLORIDE, B.P., powder, 8s. 1d.; lump or granular, 8s. 8d. MERCURIOS CHLORIDE, B.P., 9s. 4d. RED OXIDE, B.P.C., 10s. YELLOW OXIDE, B.P., 10s. 7-lb. lots are 6d. per lb. less than above prices; other quantities in proportion.

METHYL SALICYLATE.—Current rates are as follows: Winchester quarts, 2s. 2½d. per lb.; 56 lb., in demijohns, 2s. 1d.; 1 cwt., in demijohns or carboys, 2s. 0½d.; 5 cwt., 2s. All prices are net.

METOL.—Rates for bulk quantities are as follows: 10-cwt., 19s.; 5-cwt., 19s. 6d.; 1-cwt., 20s.; 28-lb., 21s.; 14-lb., 23s.; 7-lb., 24s. per lb. Carriage paid in the United Kingdom.

NICOTINAMIDE is quoted at 140s. per lb.; 14 lb., 132s. 6d.

NICOTINIC ACID.—Makers' list price is 65s. per lb.; in quantities of 14 lb., 62s. 6d., with prices of other amounts in proportion.

NIKETHAMIDE, B.P.—Current quotations are at 150s. per lb.

PANCREATIN.—Price of B.P. material is from 13s. 6d. to 16s. 6d., according to quantity.

PEPSIN.—Quotations for B.P. standard are from 29s. 6d. per lb.: 1-3,000 is priced at 35s., and 1-10,000 at 115s. per lb.

PHENACETIN.—Quotations are from 5s. to 6s. per lb., as to quantity.

PHENAZONE.—Nominal prices are from 32s. 6d. to 35s. per lb.

PHENOL.—Maximum price for crystals in the home market is 11d. per lb., in 1-ton lots in drums (returnable), delivered.

PHENOLPHTHALEIN.—Manufacturers' prices per lb. are as follows: 1-cwt. lots, 6s. 1d.; 28-lb., 6s. 3d.; 14-lb., 6s. 6d.

PHOSPHATES.—Makers' rates per lb. for SODIUM are as follows: B.P. granular, 1 cwt., 7½d., 28 lb., 9d.; feathery, 1 cwt., 8½d., 28 lb., 10d.; exsiccated, B.P.C., 1 cwt., 2s. 2d., 28 lb., 2s. 6d.; ACID, B.P., crystals, 1 cwt., 1s. 9d., 28 lb., 2s. POTASSIUM, granular, 4s. 2d.; powder, 4s. 5d. per lb. AMMONIUM, B.P.C., 1 cwt., 2s. 6d.; 28 lb., 2s. 10d. per lb.

PIPERAZINE.—Current prices are from 4s. 6d. per oz., according to quantity.

POTASSIUM ACETATE, B.P.—Fine granular is 2s. 1½d. per lb. in 1-cwt. lots.

PROCAINE HYDROCHLORIDE.—Current quotations are from 42s. 6d. to 45s. per lb.

PYROGALLOL.—Current rates are as follows: 1 cwt., 21s.; 56 lb., 21s. 6d.; 28 lb., 22s. 6d. per lb. Resublimed, 4s. per lb. above these rates. Prices are net.

RESORCIN.—Continues in short supply. Current prices are at from 10s. 6d. to 12s. 6d. per lb., according to quantity.

SALICYLSULPHONIC ACID.—Makers' quotation for this reagent is 15s. per lb.

SANTONIN.—Prices are unchanged; 5 kilos, £44 per kilo; less than 5 kilos, £45; 1 kilo, £46; half-kilo, £47; quarter-kilo, £48 per kilo; carriage paid in U.K.

SODIUM ALGINATE.—Current rates per lb. are as follows: 7-lb. lots, 7s. 3d.; 28-lb., 7s.; 1-cwt., 6s. 6d.

SODIUM TAUROGLYCOCHOLATE.—Current quotations are at 45s. per lb.

STEARATES.—Current rates per cwt. in 1-cwt. lots, are as follows: ALUMINIUM, 235s. 6d.; CALCIUM, 217s. 6d.; MAGNESIUM 237s. 6d.; LEAD, 240s. 6d.; ZINC, 222s. 6d. 5-cwt. lots are 2s. 6d. per cwt. less, and 1-ton lots 7s. 6d. less per cwt. than above prices. Carriage paid in U.K.; packing free.

SULPHACETAMIDE.—Quotations for BASE are around 40s. and for SOLUBLE, 37s. 6d. per lb.

TARTARIC ACID, B.P.—British-manufactured acid is quoted at 230s. per cwt., delivered.

THEOBROMINE.—Makers' prices (per lb.) are as follows: ALKALOID, from 37s. 6d. to 41s. 6d., according to quantity; CALCIUM SALICYLATE, from 21s. 3d. to 25s. 3d.; SODIUM BENZOATE, 23s. 9d. to 26s. 9d.; SODIUM SALICYLATE, from 21s. 3d. to 25s. 3d.

Crude Drugs

ACONITE.—Indian root on the spot is in poor demand at 300s. per cwt.

AGAR.—No. 1 quality strip on the spot is quoted at 19s. to 19s. 6d. per lb., with lower grades at 17s. 9d. to 18s. 6d.

ALOE.—Cape, on the spot, is available at 145s.; shipment offers are at about 138s., c.i.f. Curaçao in boxes is offered at 210s. to 230s., spot; forward, 200s., c.i.f. Socotrine, 156s. to 190s. per cwt.

ANISE (STAR).—Spot quotations are from 120s. to 130s. per cwt.; shipment, 117s. 6d., c.i.f.

ANTIMONY.—Prices are unchanged. Current rates are as follows: 99.6 per cent., regulus, £190 per ton, delivered; 99 per cent., £180; 70 per cent. crude, £150.

ARECA NUTS.—Ceylon on the spot is quoted at 67s. 6d. per cwt.

ASAETIDA.—Persian block is offering at £22 10s. to £24 per cwt., spot, with lower quality material (Indian) at about £15.

BALSAMS.—Canada is quoted at 18s. 6d., spot. Para *Copaiba*, spot, 5s. for soluble. Peru, San Salvador, spot, is at 5s. 6d. to 5s. 9d., duty paid. Tolu, 18s. 6d. per lb., spot.

BENZON.—Supplies of Sumatra almondy block on the spot are available at prices from £15 to £17 per cwt., as to quality. Siam almonds is available at 30s. per lb.

BISMUTH.—The price of metal is 11s. per lb. for quantities of 5 cwt.

BUCHU.—B.P. leaves, old-crop, quoted from 4s. 2d. to 4s. 3d. per lb., spot; new-crop, now afloat, is offering at 3s. 11d.; for shipment, 3s. 8d., c.i.f. Old-crop ovals are available on the spot at 3s. 9d. to 4s. per lb.

CAMPOR.—Chinese tablets are quoted at 9s. 9d. to 10s. 9d. per lb., duty paid; refined powder (B.P.) is quoted at 9s. 3d. to 10s., with B.B. grade at 8s. 6d. to 9s.; crude powder, 7s. 6d. per lb.

CARDAMOMS.—Mangalore, half-bleached A's, 8s. 6d., spot; B's, 8s., seeds, 6s. 9d. Aleppy seeds No. 1, 8s. 6d. per lb. Aleppy greens, 6s. 3d.; extra bold, 7s. per lb.

CASCARA SAGRADA.—1947 peel on spot is quoted at 260s. per cwt.; 1946 is at 265s.

CASCARILLA.—Quills are offered at 1s. 6d. to 1s. 7d. per lb., spot; siftings are quoted at 1s. 5d. to 1s. 6d.

CHILLIES.—Mombasa is quoted at 120s. per cwt., spot; Sierra Leone, 115s., nominal; Nigerian, 90s.

CINCHONA BARK.—About 223 packages will be offered at auction on May 24.

CINNAMON.—Quillings on the spot are quoted at 1s. 6d., featherings at 1s. 3d. and chips at 9d. per lb.; 0000 quill, to arrive, 2s. 4½d., c.i.f.

CLOVES.—Market quiet but steady. Zanzibar, spot, 9d.; shipment, May-June, 9d. per lb., c.i.f.

COCHINEAL.—Silver greys, quoted at 4s. 3d. per lb., spot; blacks, 4s. 6d.

COD-LIVER OIL.—British-produced oil of B.P. quality is quoted from 12s. to 13s. per gall., delivered in the United Kingdom.

DERRIS ROOT.—Controlled price of the root and "other rotenone materials" is 2s. 4d. per lb., ex warehouse.

ERGOT.—Portuguese is offered at 4s. to 4s. 1½d. per lb., spot; 3s. 10d., c.i.f.

FRANGULA BARK.—Quills are offering on the spot at 2s. 2d. per lb.

GAMBOGE.—Siam pipe on the spot is easier at £50 per cwt., duty paid.

GENTIAN.—French natural on the spot is offering at from 65s. to 67s. 6d. per cwt.

GINGER.—Market steady. African, spot, 65s.; new crop, May-June shipment, 65s., c.i.f. Jamaican, No. 1, 115s.; No. 2, 102s. 6d.; No. 3, 100s. per cwt.

GUAIACUM RESIN.—Quotations for lump are from 2s. 9d. to 3s. per lb., spot.

GUM ACACIA.—Kordofan cleaned sorts is steady at 66s. per cwt., spot London; for shipment, 62s., c.i.f. Bleached No. 1 is quoted at 137s. 6d., ex store. Talha cleaned 40s., ex warehouse; 40s., c.i.f., per cwt.

HENBANE.—B.P. is quoted at 4s. 6d. per lb., spot. Egyptian (*H. muticus*) is offered at 105s. per cwt., spot; 80s., c.i.f.

HENNA.—Egyptian on the spot is offering at 100s. to 115s. per cwt.; Indian, 100s.

HONEY.—Agreed rates per cwt. for Australian or Jamaican honey, for manufacturing purposes, are as follows: In original packings (56-60 lb. tins for Australian or 3½-cwt. barrels for Jamaican), for quantities of 10 cwt. or more, 96s.; less than 10 cwt., 105s., net, carriage paid. Refined repacked honey is available at the following rates per cwt.: In 7-14 lb. tins, 145s.; 28-lb. tins, 130s.; 56-lb. tins, 120s., carriage paid, subject to wholesale discount of 8½ per cent.

IPECACUANHA.—Nicaraguan is quoted at 27s., spot; May-June shipment, 22s. 6d., c.i.f.; Colombian root, 25s., spot. and 21s. per lb., c.i.f.

MENTHOL.—Market continues strong. Brazilian on the spot is quoted at 43s. 6d. to 46s. per lb., duty paid, according to seller. Shipment, May-June, 43s., c.i.f.

MERCURY.—Spot, £16 per flask, ex warehouse; for shipment, £15 8s., c.i.f. U.K.

QUASSIA.—Spot prices of chips are quoted at 37s. 6d. per cwt.

QUINCE SEEDS.—Cape, on the spot, is quoted at 4s. 6d. to 5s. 3d. per lb.

RHATANY.—Spot is quoted at 9d. per lb.

RHUBARB.—Values continue steady. Chinese rough-round on the spot is quoted from 4s. 6d. to 5s. 3d. for sound root of good fracture, with 2s. 6d. to 3s. 6d. per lb. quoted for wormy material.

SANDALWOOD CHIPS.—Supplies on the spot, for export, 350s. per cwt.

SEEDS.—ANISE.—Cyprus, 1s. 8d. and Turkish 1s. 7d. per lb., duty paid, spot. **CARAWAY.**—Dutch, quiet and unchanged at 11d. per lb. duty paid London. **CELERY.**—Indian in poor demand. Sellers quoting 1s. 3d. per lb., spot London or Liverpool. **CORIANDER.**—Market unchanged. Argentine, spot, offered at 45s. duty paid. Splits quoted at 34s. per cwt., duty paid London or Liverpool. **CUMIN.**—Indian, spot, is quoted at 215s.; Cyprus now offering at 212s. 6d. per cwt. in London. **DILL.**—Indian remains firm at 47s. 6d. per cwt. spot London and 46s. 6d. per cwt. in Liverpool. **FENUGREEK.**—Indian now quoted at 48s. per cwt. spot London and 47s. 6d. per cwt. ex store Liverpool. **FENNEL.**—Indian reported sold at 72s. 6d. per cwt., spot, London. 71s. 6d. quoted ex store, Liverpool.

SENEGA.—Spot prices are at 11s. per lb. Not much life in the market.

SENNA.—Steady but quiet. Tinnevely leaves on the spot, offered as follows: No. 1, 9d. to 1s. per lb.; No. 2, 8d. to 9d.; No. 3, 6d.; No. 4, 5½d. to 6d. Tinnevely pods, handpicked, 10d. to 1s. 4d.; manufacturing, 5½d. to 6d. Alexandrian pods, handpicked, spot, from 4s. 9d. to 5s. 9d., according to quality; medium, 2s. 9d.; manufacturing from 1s. to 1s. 9d. per lb., Alexandrian leaves, 1s. 2d. per lb., quoted for f.a.q.

SQUILL.—Italian white is quoted at 62s. 6d. per cwt., spot; Italian red, 84s.

STROPANTHUS.—100 per cent. Kombé is in small supply at about 12s. 6d. per lb., spot.

STRAX.—Supplies on the spot are offered at 7s. 9d. per lb., duty paid.

TAMARINDS.—Barbados is quoted at 52s. 6d. per cwt., duty paid.

TONKA BEANS.—Quiet. Frosted Pará is quoted at 5s. per lb., spot.

TURMERIC.—Madras finger is quoted at 120s. per cwt., spot; near afloat, 117s. 6d., c.i.f.; Jamaica is reported quoted at 85s., spot.

WAXES.—Business is reported rather dull. **BEES'.**—Dar-es-Salaam on spot is steady at 372s. 6d. per cwt.; shipment, 350s., c.i.f. Lindi is offering at 365s. per cwt., spot; Benguela is 365s., duty paid, and 330s. in bond; to arrive, 312s. 6d., c.i.f. **CANDELLILA.**—Spot is quoted at 390s. per cwt.; future delivery, 380s. **CARNAUBA.**—Fatty grey, quoted at about 460s. per cwt.; afloat, 420s., c.i.f.; for shipment, 410s., c.i.f. Prime yellow on spot is steadier at up to 800s., and shipment quotations are now about 700s., c.i.f. **MONTAN.**—Reibek, 310s. per cwt.; Czechoslovak crude, 270s. per cwt., spot. **OURICURI.**—9 per cent., on spot, 375s. per cwt. quoted. 5 per cent. shipment, 385s., c.i.f. 1 per cent. on spot is offered at 420s.; shipment, 400s., c.i.f. 2 per cent., spot, 415s.; shipment, 400s., c.i.f. **SPERMACETI.**—Quotations for supplies on spot are unchanged at 3s. 3d. per lb.

Essential and Expressed Oils

APRICOT KERNEL.—Quotations are from 7s. 9d. to 10s. per lb.

BAY.—West Indian is offering at 7s. to 8s. 6d. per lb., spot.

CADE.—Prices are from 3s. 9d. to 5s. per lb., according to holder and quantity.

CAMPHOR.—White oil on the spot is quoted at 2s. 10d. to 3s. per lb., duty paid.

CASTOR.—Controlled prices are unchanged: Firsts, £180 per ton; seconds, £176, naked ex works.

CITRONELLA.—Ceylon in drums is valued at 3s. 9d. to 4s. 3d. per lb., spot; shipment, 3s. 3d., c.i.f. Java continues nominal at 10s. to 12s. per lb. on the spot; 8s. 3d. in bond; shipment, 7s., c.i.f.

CLOVE.—Quotations for English-distilled bud oil are from 11s. to 12s. per lb.

EUCALYPTUS.—Market is quiet. 70-75 per cent. (B.P.) is offering at 4s. 6d. per lb. for drums, and up to 6s. 6d. for smaller quantities; shipment, 3s. 8d., c.i.f.

GINGER.—Prices are from 70s. to 85s. and upwards per lb., according to grade and seller.

GUAIACWOOD.—Spot supplies are quoted at 18s. to 20s. per lb.

JUNIPER BERRY.—Imported oil is offered at from 25s. to 30s. per lb.; English distilled is quoted from 35s. to 100s. per lb., according to grade.

OLIVE.—The Olive Oil Importers' Association price for edible, 1 per cent., to wholesalers is 51s. per gall. of 9 lb., in drums, ex store. Wholesalers' prices to retailers are as follows: In gall. loan cans, 58s. 9d. per gall.; in ¼ gall., 59s. 6d.; in quart loan containers, 60s. 4d.; and in pint containers, 61s. 4d. per gall., all delivered to buyers' premises.

PEPPER.—English-distilled, 160s. per lb.

PEPPERMINT.—English-distilled "Mitcham," is quoted at 180s. to 225s. per lb.

PIMENTO BERRY.—English-distilled oil is quoted at 47s. 6d. to 57s. 6d. per lb. and upwards, according to quantity and grade.

PINE.—*Pumilionis* is quoted at 18s. to 20s. per lb., spot; *sylvestris*, 12s. 6d.

PINE NEEDLE.—Spot supplies are offered at 19s. to 21s. per lb., for first-grade oil.

ROSEMARY.—Spanish is offered at 7s. 6d. to 10s. per lb., according to quantity.

TEASEED.—Prices are from 60s. to 65s. per gall. of 9 lb.

THYME.—Red oil (40-42 per cent. phenols), 13s. 6d. to 16s. per lb.; white oil, 17s. to 18s. 6d. per lb., spot.

TI-TREE.—Firm. Quotations are from 8s. to 8s. 6d. per lb.

TURPENTINE.—Rectified (B.P.) is quoted at 2s. 6d. per lb. in carboys.

VETIVERT.—Java is quoted at 135s. per lb., on the spot; Bourbon, 125s. to 145s.

YLANG YLANG.—Bourbon is quoted at 65s. to 100s. per lb., as to grade and seller.

TRADE MARKS

(From "The Trade Marks Journal," April 21)

- "UREXAN"; for pharmaceutical preparations for use in the diagnosis of diseases and disorders of the urinary system; "HEDEREX" and "HEDERONE"; for preparations for killing weeds and vermin (5). By British Schering, Ltd., 167 Great Portland Street, London, W.1. 656,700, 657,970-71 (Associated).
- "FLYGIENEC"; for preparations and substances for destroying and repelling flies (5). By Henry Hood & Co., Monson Road, London, S.E.14. 656,868.
- "LANDOR"; for medicated preparations for the scalp (5). By Elgin Products Co., South College Street, Elgin, Scotland. B656,886.
- "CREMOTHALIDINE"; for all goods (5). By Sharp & Dohme, Ltd., 4 Brocket Road, Hoddesdon, Herts. 656,998 (Associated).
- "WILKONIPS"; for medicated sweetmeats (5). By W. R. Wilkonin & Co., Ltd., Ferrybridge Road, Pontefract, Yorks. 658,260. (Associated).
- "WHIRLWIND"; for insecticides and disinfectants (5). By the Surrey Precision Tool Works, Ltd., 6 Upper Brook Street, London, W.1. 658,746.
- "BREVAL"; for photographic apparatus and instruments (9). By Brent Valley Studios, Ltd., 21 Clifton Road, Greenford, Middlesex. 657,422.
- "KERFLEX"; for photographic cinematographic and optical apparatus (9). By A. Kershaw & Sons, Ltd., 37 Mortimer Street, London, W.1. 658,253.
- "SWEETHEART" in distinctive lettering; for drinking straws (20). By The Maryland Paper Products Co., Inc., 11005 Eutaw Street, Baltimore, Maryland, U.S.A. 653,286.
- "DAVEY" in hexagon; for hair-brushes and combs (21). By H. Clifford Davis, Ltd., 23 Warstone Lane, Birmingham, 18. 653,020.

(From "The Trade Marks Journal," April 28)

- "LITON"; for sensitised photographic materials and chemicals (1); "ANASTON"; for photographic and optical apparatus, instruments, and parts included in this Class (9). By Kodak, Ltd., Kingsway, London, W.C.2. 657,950-51 (Associated).
- "SAFFERSAN"; for chemical products for use in agriculture and horticulture; "FLORSIT"; for chemical products used in horticulture (1). By Boots Pure Drug Co., Ltd., 37 Station Street, Nottingham. 658,203 and 658,205.
- "RIMEX"; for perfumes and detergents (3). By Stet Chemical Products, Ltd., 80 Regent Street, London, W.1. 644,724.
- "BLANSOL"; for detergents (3). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 654,143.
- "JOHN LUSTY" in distinctive lettering; for non-medicated toilet preparations, cosmetics, soap and dentifrices (3). By John Lusty, Ltd., 8 Parnham Street, London, E.14. 655,352.
- "BEATIFIC"; for non-medicated toilet preparations (3). By L. K. Hutt & Co., 54 Sittingbourne Avenue, Enfield, Middlesex. B656,694.
- "BOMAC"; for non-medicated toilet preparations (3). By The Bomac Sachet Co., Ltd., 25 Fore Street, Ipswich, Suffolk. 657,373.

- "OBSESSION"; for cosmetics, non-medicated toilet preparations and soap (3). By Boothby & Thompson, Ltd., 60 Wardour Street, London, W.1. B655,677.
- "MOFF"; for cosmetics and toilet preparations for the hair and teeth (3). By the Gry-Moff Co., Ltd., Union Lane and Westcroft Street, Droitwich. 655,571 (Associated).
- "SPELLBOUND"; for non-medicated toilet preparations and cosmetics (3). By Manon Frères, Ltd., 845 Honeypot Lane, Stanmore, Middlesex. B655,672.
- "KLIPSY'S" in distinctive lettering; for non-medicated toilet preparations, cosmetics and soap (3). By Joseph Lucien Louis Vloebergh, 53 Rue de Frontispice, Bruxelles, Belgium. 656,123.

COMING EVENTS

Tuesday, May 18

- SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Social Centre, Slough, at 7.45 p.m. Discussion on Branch Representatives' meeting.
- TEES-SIDE BRANCH, PHARMACEUTICAL SOCIETY, Cleveland Scientific Institute, Corporation Road, Middlesbrough, at 6.45 p.m. Annual meeting.

Wednesday, May 19

- PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, London School of Hygiene and Tropical Medicine, Keppel Street, W.C.1, at 7.30 p.m. Annual meeting.
- NORTHUMBERLAND AND GATESHEAD, DURHAM AND SUNDERLAND BRANCHES, NATIONAL PHARMACEUTICAL UNION, NEWCASTLE PHARMACEUTICAL COMMITTEE and NEWCASTLE AND DURHAM INSURANCE CONTRACTORS, Civic Restaurant, College Road, Barras Bridge, Newcastle-on-Tyne, at 3.15 p.m. Mr. G. H. M. Graham (chairman, N.P.U.) on "The National Health Service."
- ENGINEERING AND INDUSTRIAL EQUIPMENT EXHIBITION, Old Royal Horticultural Hall, Vincent Square, London, S.W.1 (continuing until May 28). Open daily (except Sunday) 9.30 a.m.-7.30 p.m.

Thursday, May 20

- PHARMACEUTICAL SOCIETY OF GREAT BRITAIN, North Hall, Victoria House, Bloomsbury Square, London, W.C.1, at 10 a.m. and 2.15 p.m. Branch Representatives' meeting.
- THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Annual meeting followed by debate: "Your Turnover Will Fall After July 5."

Friday, May 21

- MANCHESTER PHARMACEUTICAL ASSOCIATION (JUNIOR BRANCH), Platt Fields, 6-9.30 p.m. Tennis tournament for Woolley trophy (entrance fee one shilling).
- NEWCASTLE AND DURHAM SECTION, CHEMICAL SOCIETY, King's College, Newcastle-on-Tyne, at 5 p.m. Professor A. R. Todd, D.Sc., F.R.S., on "Modern Theories of the Mechanism of Drug Action."

Saturday, May 22

- TYNE, WEAR AND TEES BRANCH, GUILD OF PUBLIC PHARMACISTS, Crown Hotel, Clayton Street, Newcastle-on-Tyne, at 5 p.m. Annual meeting.

PHARMACEUTICAL CHEMICALS

FROM **A**SPIRIN TO **Z**INC

IT IS DIFFICULT in times of shortage to advertise our many products without raising false hopes in the reader's mind that we are asking for unlimited orders.

WE TRY to keep our customers going and to help them in their own difficulties and we thank them for the patience and good humour with which they react to our efforts to be fair to them all.

WE ARE NOT yet out of the wood and can only promise to continue to do our best for our many old and new friends.

Aspirin
Bismuth
Bromides
Camphor
Ethers
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Lactates
Mag. carb. pond.
Mag. oxid. pond.
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Sodii Sulph.
Soda Tart.
Thymol
Zinc Salts
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HOWARDS OF ILFORD

manufacturers of fine chemicals since 1797



This important bactericide and antiseptic is a colourless viscous liquid with a faint pleasant odour, for use in medical treatment and for pharmaceutical preparations. Phenoxetol is especially effective against certain gram-negative organisms, including *Ps. pyocyanea*. It is used by local application—by wet dressing, instillation or irrigation—in the treatment of infected wounds, abscesses, indolent ulcers, associated with *Ps. pyocyanea*. It should not be used for parenteral injection.

Phenoxetol is very effective in *pyocyanea* infections of burns or superficial wounds. It is especially useful for skin grafting, in dermatitis associated with *Ps. pyocyanea*, and for the sterilization of tuberculosis cavities infected with *Ps. pyocyanea*.

In addition to its anti-*pyocyanea* activity, Phenoxetol is an excellent preservative for penicillin creams and other pharmaceutical and medicinal preparations. Not only does it protect the creams from deterioration caused by various organisms such as mould and fungi, but it also prevents the inactivation of penicillin itself by inhibiting the growth of *B. coli* and other penicillinase producing organisms.

The following formula is successfully applied for Penicillin Cream:—

Lanette wax SX	3.5 g.
Liquid Paraffin	15 ml.
Penicillin Solution	5 ml.
Phenoxetol	2 ml.
Aqua redest	ad. 100 ml.

also

Para-Chloro-Phenoxetol, the antifungal compound specifically active in ointments, powders and solutions against infections by *Trichophyton-Epidermophyton* - *Microsporum* and *Monilia* organisms.



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for medicinal purposes

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*is now again available
and in fair supply . . .*

*Tried and trusted remedy for many years
past of coughs and colds.
Obtainable from your usual Wholesaler.*

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POWDERED GUM ACACIA

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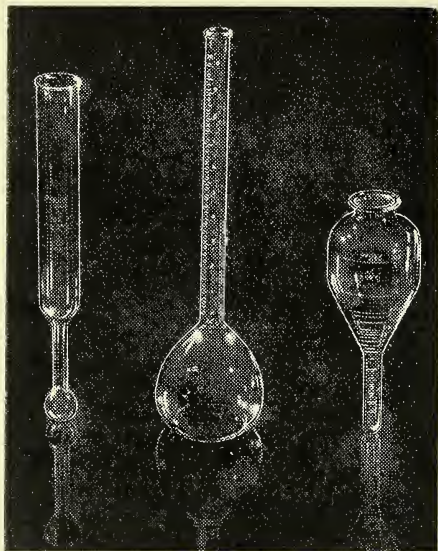
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THE low co-efficient of expansion of 3.2×10^{-6} per degree C of PYREX Brand Graduated Glassware has the effect of minimizing fracture from sudden thermal changes.

By reason of this low expansion co-efficiency, the structure of the glass can be made more robust than that of ordinary composition, thus saving a high percentage of breakage losses due to everyday handling.

PYREX Brand Graduated Glassware is made in two N.P.L. Standards of accuracy—**Class B** for everyday laboratory usage and **Class A** for more meticulous research or analytical work.

The greatest care is taken with **Class B** ware to ensure accuracy within very fine limits. **Class A** is given the utmost precision in calibrating in order to qualify for the N.P.L. certificate.

That's why you should ask for PYREX Brand.

PYREX
Registered Trade Mark Brand
GRADUATED GLASSWARE

made by
James A. Jobling & Co. Ltd.,
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G83 C

GUMS SHELLACS and WAXES

Acacia
Tragacanth
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In natural and powder
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CAMELOT STREET, LONDON, S.E.15

CARBOY STAND AND TILTER

For drawing off small quantities of Acids from Carboys.

The Carboy can be tipped to any position with one hand.

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METAL WORKS**
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JARVIE

Quinine

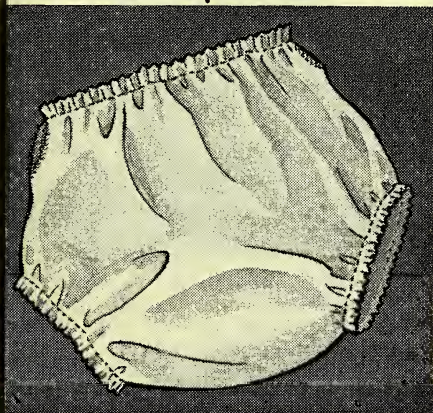
— IS A PRODUCT OF CAREFUL
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LI-LO *Baby Pants*



PLASTIC

Made for the first time of Li-Lo Lastic,
the new waterproof plastic fabric.

Li-Lo Lastic Baby Pants are

- ★ Durable
 - ★ Will not crack or chafe tender skin
 - ★ Laboratory approved and guaranteed
- In one standard size. Elastic-held at
waist and legs.

For trade terms and full particulars
write to the sole manufacturers:—

RUBBER The pre-war standard
rubber Baby Pants are now available.
★ Soft, all-rubber superfine sheeting.
★ Waterproof. ★ Elastic waist and
legs. ★ Pre-war quality.

P. B. COW & CO. LTD.
12 HAY HILL, BERKELEY SQUARE
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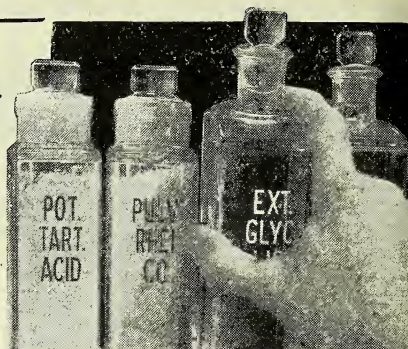
ON YOUR SHELVES —
compact and easy to locate
IN YOUR HAND —
comfortable and clean pouring

**WITH INDESTRUCTIBLE
SUNK ENAMELLED LABELS**

This shape of flat bottle stands more compactly on your shelves than any other, and is boldly labelled on the narrow front edge with etched-in, indestructible enamelled lettering—white for liquids, black for powders.

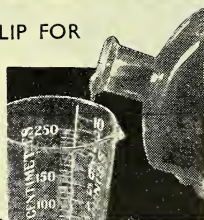
Exhaustive independent tests show the glass from which they are made to have the lowest solubility to reagents and to boiling water—bottles made from cheap glass are deficient in this respect and should be shunned.

**BEATSON CLARK
BOTTLES**



**NOTE THE SPECIAL LIP FOR
EASY POURING**

Little refinements, such as this special shape of lip which pours cleanly drop by drop, show our long years of experience in chemists' wants.



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**RELIABLE
ELASTIC HOSIERY
SEAMED AND SEAMLESS**

For special garments to measure
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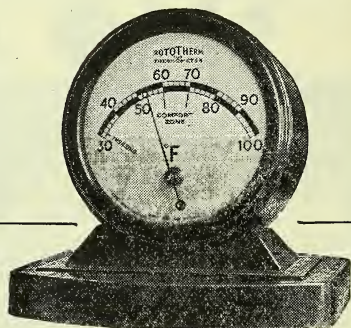
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TRUSSES AND SUNDRIES**

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Handsomely designed Table and Desk thermometers which you can sell on very profitable terms. Also Wall models in various colours.

PRICE 15/- Retail.

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DIAL THERMOMETERS

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MOULDED HOT WATER BOTTLES
FABRIC HAND-MADE WATER
BOTTLES
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BATHING CAPS, ETC., ETC.

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'WEBSTER'S' STAINLESS STEELWARE

Specialists in modern equip-
ment for manufacturers, i.e.,
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Suppliers of Stainless Steel
utensils, at prices which en-
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an economical proposition.

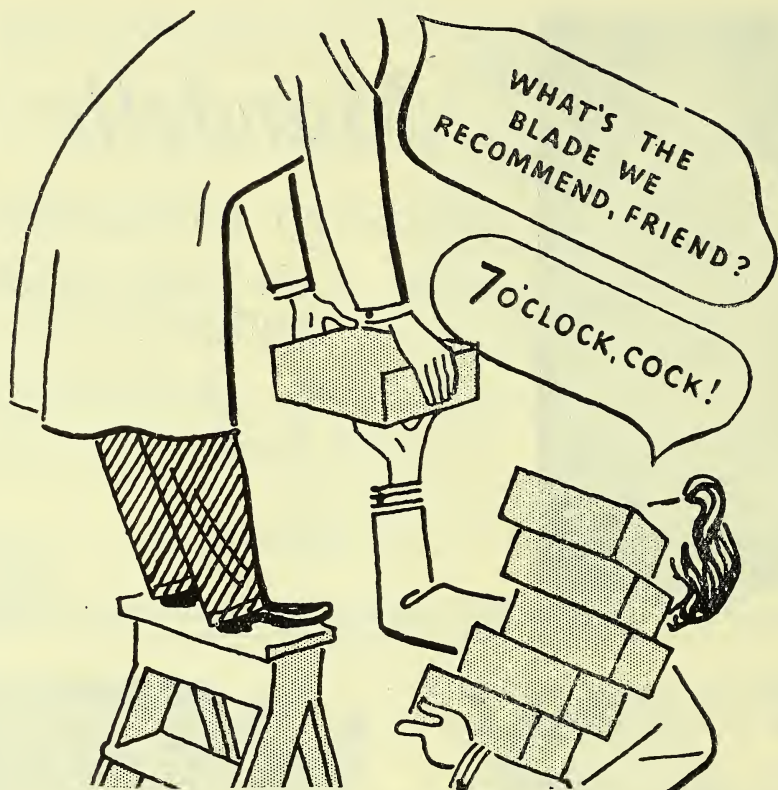
The use of Stainless Steel
equipment, designed on
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convenient and better
working conditions.



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ABBAY WORKS, KIRKSTALL, LEEDS, 5

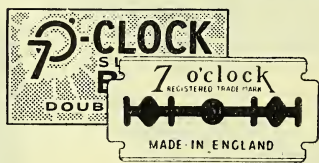
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Every now and then an advertising slogan becomes a national catchword. That's what is happening with the phrase, "7 o'clock, Cock!" Every month more men are noticing it . . . repeating it . . . talking about it to their friends. And the result will be seen in a bigger and bigger demand for 7 o'clock, the wonderful triple-ground razor blades. Stock and recommend 7 o'clock blades.

7 o'clock

BLADES



Now **11^d** FOR SIX
Including Tax

Actually **COST LESS** than **PRE-WAR**

This will reflect on your sales ...



£250 COMPETITION

Users of "Pink Ribbon" are
invited to compete in naming
four hairstyles for a cash
prize of £250.
Keep your stocks sufficient
to meet the increased
demand brought about
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Pink Ribbon

Soapless SHAMPOO

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for some...

Sanitary Protection Worn Internally

Regular
TAMPAX No. 1

FOR GREATER ABSORBENCY
Super Absorbent
TAMPAX No. 2

10 TAMPAX—AN AVERAGE MONTH'S SUPPLY

Safe Sure Hygienic Comfortable Easy to Use

for others..

Sanitary Protection Worn Internally

Super Absorbent
TAMPAX No. 2

FOR AVERAGE ABSORBENCY
Regular **TAMPAX No. 1**

THIS PACKET CONTAINS 10 TAMPAX
for use where GREATER absorbency is required

Safe Sure Hygienic Comfortable Easy to Use

for all requirements—
TAMPAX

Sanitary Protection Worn Internally

display
them
side by
side

Experience has shown that when the new Super Absorbent Tampax No. 2 takes its place beside Regular Tampax No. 1, sales of Tampax in that market rise by as much as 50%. There is a simple reason for this. Some women find Tampax No. 1 adequate for their needs: others require the 40% greater absorbency of Tampax No. 2. But there are yet others who purchase both sizes. In all, the two absorbencies — separately or together — cater for all requirements. That's why it's sound business to display them side by side. For where women see, they buy.

REGULAR TAMPAX No. 1. Retail: 1/9d.
per packet. Trade: 15/9d. per doz. packets.

SUPER ABSORBENT TAMPAX No. 2.
Retail: 2/- per packet. Trade: 18/- per doz. packets.



NORTH BRITISH

LOCAL POINT FOR RUBBER PRODUCTS

Air Cushions, Hot Water Bottles, Nursing Aprons, Water Beds, Cot Sheets, Combs and many other high quality NORTH BRITISH Rubber Products in steady demand are obtainable through your wholesaler.

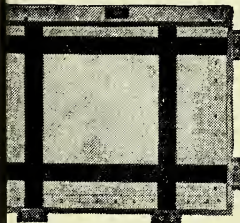
THE NORTH BRITISH RUBBER CO. LTD. EDINBURGH, LONDON & BRANCHES

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A New Masking Frame
"THE GNOME DE LUXE"
 Adjustable Margin



With this Masking Frame a white border from $\frac{1}{8}$ in. to 1 in. may be obtained all round the print. The four Masking Strips can all be adjusted, the border is not fixed on any side

ALL-METAL CONSTRUCTION
 RETAIL PRICES

O.N.	Size	Price	Purchase Tax	Total
	8½ in. x 6½ in.	£1 18 0	16 6	£2 14 6
	10 in. x 8 in.	£2 4 8	19 5	£3 4 1
	12 in. x 10 in.	£2 15 0	£1 3 10	£3 18 10
	16 in. x 12 in.	£4 10	£1 15 1	£5 16 6

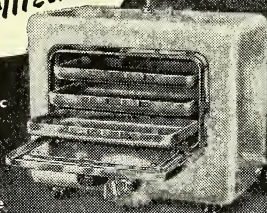
* your Dealer, or write direct to manufacturers for illustrated catalogue.

354, Caerphilly Road, Cardiff

SURQUAL^{REGD.} HOT AIR STERILIZER

*For efficient
Sterilization*

- With Thermostatic Control and Pilot Light.
- Finished in High Grade Cream Stove Enamel and Chromium.



Name of Local Dealers on request

SURGICAL EQUIPMENT SUPPLIES LTD
 WESTFIELDS ROAD, LONDON, W. 3
 Manufacturers of Sterilizers, Hypodermic Syringes,
 Plastic Cases, etc.

A DELICATE SUBJECT — FOR DELICATE SKINS

The **TOTTY-POT**

Trade
Mark
"Totty
Pot"
Patent-
applied for

*Rubber Ringed for
— Cushion Comfort*

**A NON-CORROSIVE ACID-PROOF
HYGIENIC CHILD'S CHAMBER**

Detachable ring, easily removed for
cleaning purposes

Made of Aluminium

ANODISED IN SOFT PASTEL SHADE

SOLE MANUFACTURERS

J. BILLIG & SONS LTD.,

ESTABLISHED 1899

BILTIN WORKS, FONTHILL RD LONDON N.4.

TELEPHONE: ARCHWAY 2753 & 3858

 The advertisement features a central graphic of a single Eclipse razor blade. The blade is shown at an angle, with the brand name "ECLIPSE" and "MADE IN ENGLAND" visible on its surface. Below the blade, the text "A shaving grace!" is written in a large, stylized, cursive font. At the bottom, a white rectangular box contains the offer "5 for 1/4^d INCL TAX" and the text "Obtainable only from Retailers JAMES NEILL & CO. (Sheffield) LTD".

"ECLIPSE"
RAZOR BLADE
MADE IN ENGLAND

*A
shaving
grace!*

5 for 1/4^d INCL TAX

Obtainable only from Retailers
JAMES NEILL & CO. (Sheffield) LTD

Applied before Work

ROZALEX

REG'D BRAND

Keeps Hands Clean & Healthy



Temporary
Pack

**For use in the home
Supplied in Tins**

★ ALSO ROZALEX OINTMENT IN JARS

Order through your usual wholesaler
Rozalex Limited, 10 Norfolk St., Manchester, 2

8 MOTH RINGS *for* 4^D

PROMEDICO DOES IT AGAIN!

BY INCORPORATING D.D.T./GEIGY

PROMOL MOTH RINGS JUNIOR SIZE are now doubly efficient by compounding Naphthalene with Paradichlorbenzenum and D.D.T./Geigy. The first two, powerful moth repellents, evaporate gradually, leaving the deadly D.D.T. as fine powder which kills insects by contact, thus giving an extra protection. Tell your customers this for SURE SALES.



*Send Your
enquiries
NOW!*



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You can always count on
GOSHERON for service with the
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 Next time you need dependable
QUALITY in sealing, mechanical
 tying and special-purpose **TAPES**
 may we have your enquiry?

JOHN GOSHERON & CO LTD.
 GAYFORD ROAD LONDON W12
 SHE 3326 (five lines)

P/W 10s/48

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In Colours

PINK, WHITE & BLUE

3 doz. lots . . . 15/- doz.

12 doz. lots . . . 14/- doz.

Less 2½% Cash with order
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SUN GLASSES in a full range
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THE ORIGINAL



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SOLID FUEL TABLETS
 1948 QUOTA AVAILABLE
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SUPPLIES ARE LIMITED

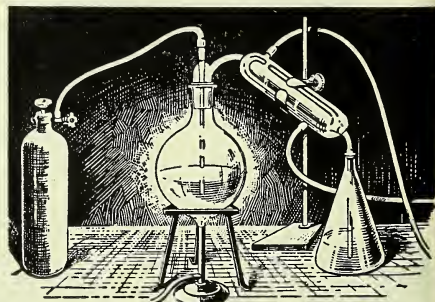
*You are advised to place
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Wholesalers
 Enquiries to

M. P. TOULSON LTD
 18 CHEQUER STREET, ST. ALBANS, HERTS

**META FUEL IS ALSO WELL KNOWN AS
 AN EFFECTIVE SNAIL & SLUG KILLER**



The scientific accuracy of

RODINE

is indisputable !

Every batch of Rodine Rat Poison is biologically
 and chemically tested before packing, so that
 you can always recommend it with complete
 confidence. M.A.F. Licence No. 10046.

T. HARLEY, LTD.

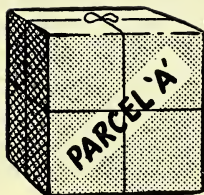
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**50%
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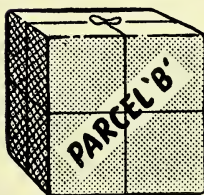
CONTENTS

FLYOL Liquid one dozen 1/11 size

FLYOL Powder one dozen 10 1/2 d size

MOTHOLIN . 1/2 dozen 3/6 size

Cost 36/4



CONTENTS

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Each line represents outstanding value in its class owing to unchallenged superiority in quality

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'FLYOL' products are Nationally Advertised

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SHAVING BRUSHES

Quality and Reliability
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Beulah's

MALTED MILK

PACKED IN ONE
POPULAR SIZE

2/6



J. & J. BEULAH LTD.
BOSTON, LINCS.



with high
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Other Asmidar Specialities include:

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Strychnine Gluconate—Gives prolonged action with decreased toxicity. Boxes 8 x 1 c.c. ampoules 0.002, 0.0035, 0.005 gm.

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Non Greasy, Non Staining Analgesic
Size 1/2 oz. Tubes.

Also—Piperazine (Asmidar) and Sulphazol Cream (Asmidar). Literature and information gladly supplied on request.

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*Over 40% profit
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JELEDA IS THE **NEW**
ANTISEPTIC HAND JELLY

Popularly priced at
1/6d. per tube,
Jeleda makes a
strong appeal to
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to cuts,
chaps,
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LEDA CHEMICALS LTD.
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SHERLEY'S always make Regular Customers!

to be sure of a fair share of the big, regular demand for the Sherley's preparations please order well ahead—empty shelves can only mean disappointment. There is no treasure like a regular customer. He is the mainstay of profitable trading; a source of valuable good will. Adequate stocks of Sherley's Dog and Cat Medicines will keep the "regulars" happy and turn many a "casual" into a good friend.



SHERLEY'S DOG MEDICINES

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NO FLIES ON



"SECTO"

THE SENIOR
BRITISH INSECTICIDE!

It sells on sight and repeats on merit.

The 'SPITFIRE' of insecticides!
Secto' means D.D.T. plus much more
attractively packed to retail at:

powder, all purpose: 1/3, 2/3, 5/6, 10/9
Liquid: 2/-, 3/-, 6/-, 15/-

(Usual trade profit margins and discounts)

Make sure you have adequate
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created by the heavy Press and
cinema advertising.

Please order early from: CUPAL LTD. BLACKBURN

Inhalation Therapy in Asthma announcing **RYBARVIN**

GREEN LABEL

*slightly modified formula***Exempt from Purchase Tax**

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$\frac{1}{2}$ oz.	-	-	-	7/6	Subject to
1 oz.	-	-	-	13/6	33 $\frac{1}{3}$ % discount
4 oz.	-	-	-	52/6	and bonus terms

PATA

RYBAR LABORATORIES LTD
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**POWDER**

5% D.D.T. in handy insufflators ready for immediate use.

The powder is blown just where it is required.

Packed in 3 doz. outers.

Retail 9d. ea. 6/- per doz.
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LIQUID

5% D.D.T. 5% Pyrethrum Extractives.

In 10 oz. bottles attractively labelled in Buff and Maroon.

Retail 2/3 ea. 18/- per doz.
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Manufacturing Chemists
BRADFORD

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The Service Wholesaler has always been the bulwark of safety for the Retail Druggist. His creed is: Buy what you want; omit what you cannot sell.

The Service Wholesaler is an economic force pitted against waste and excess stocks. His volume must come through the service which he alone can render.

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OF SOUTHAMPTON

Suppliers of Proprietarys, Drugs and Galenicals,
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HERBERT FERRYMAN, LTD.

Cobden Bridge, Southampton

Telegrams: Telephone:
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URALYSOL

Original Formula

We take pleasure in announcing that supply difficulties having been overcome, Uralysol is again available with the original pre-war formula containing Thyminic Acid and Piperazine tartrate.

P.A.T.A. 4l/8 per doz.

RETAIL 4/4 $\frac{1}{2}$

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101 Great Russell Street, London, W.C.1

A consistently increasing demand stimulated by medical prescription.

DIUROMIL

BRAND

Uric Acid Eliminator and urinary antiseptic. A palatable effervescent granular preparation for all rheumatic complaints.

RALGEX
ANALGESIC & RUBEFACTANT

BRAND

Salicylates. Capsicin and Menthol presented as a stick of solid embrocation, clean and easy to apply.

PATA

Stocked by all leading wholesalers.

You too can recommend them with confidence

PHARMAX LTD.,

Organ Works:

OLD HILL · CHISLEHURST · KENT

**WOMEN KNOW FROM
EXPERIENCE THE
SECURE COMFORT
OF**

MENE
SANITARY TOWELS

and

MENEX
SOLUBLE

**SUPPLY THEM
WHENEVER YOU CAN**

ROBINSON & SONS LTD · CHESTERFIELD & LONDON.

*As an Antacid
or in febrile conditions*

Invalid
Lembar

Soluble extract of
Barley ... 7.4%
Sugar ... 23.7%
Glucose ... 10.4%
Lemon Juice 37.0%

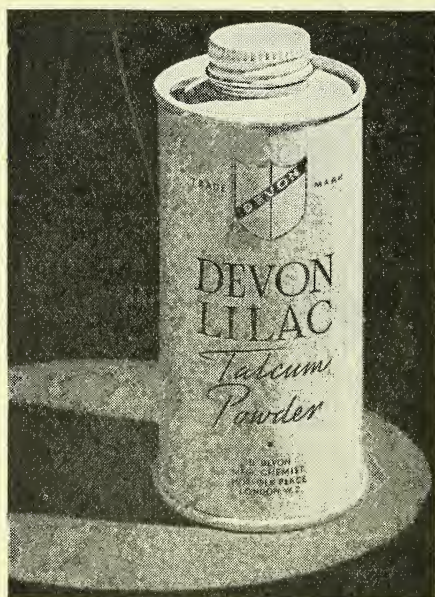
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and permitted
preservative

The above
percentages are expressed
in weight per given volume

justifies the doctor's highest recommendation

Available in limited quantities

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LEC
D.D.T. Spray

SPRAY	---	2	0
SPRAYER	---	5	0
Complete Outfit	---	7	0
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Full trade [discounts

Orders and enquiries
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salers, Retailers &
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**LEC D.D.T. Fly
Cards—24/-
per gross.**

LOVELUCK EDWARDS & CO.
432/440, GARRATT LANE, LONDON, S.W.18.



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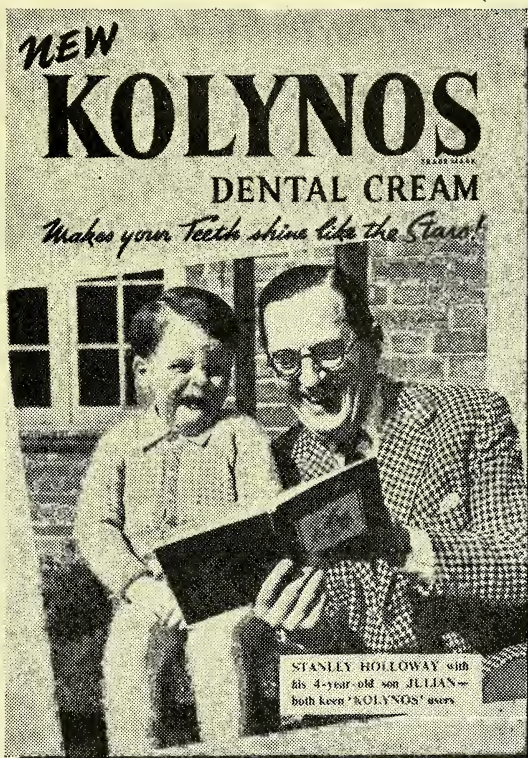
Stanley

Holloway

to help

YOU

to sell



'KOLYNOS' Dental Cream

Put this attractive showcard on your counter or in your window and the two Holloway smiles—notice son Julian's as well—will help your sales. It will stop all eyes and remind your customers of 'KOLYNOS'. It ties-up with the great new advertising campaign in all leading newspapers and magazines, linking Radio Stars and their children with 'KOLYNOS'.

This showcard and others, showing Vera Lynn and her little daughter Virginia, Kenway and Young with their son Hilary are available, on request.

Link with 'KOLYNOS' and you link your sales to the stars

If you have not yet got your sure-to-sell 'KOLYNOS' counter display unit, send for it today. This comes FREE with an order for these minimum quantities: 9 dozen 1/3d. and 3 dozen 2/2d. 'KOLYNOS' DENTAL CREAM.

INTERNATIONAL CHEMICAL CO. LTD.

CHENIES STREET, LONDON, W.C.1



Now Available!

**ORDER NOW
WHILST THEY ARE
STILL AVAILABLE FOR
THE HOME MARKET**

Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to this moment when, for the present, at least, we can fulfil all your orders.

The "Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains and on slides in cinemas throughout Great Britain.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.



G. B. KENT & SONS LIMITED

24 OLD BOND STREET : LONDON : W.1

BY APPOINTMENT
BRUSHMAKERS

'Phone: Regent 1471/2/3. Tel.: Tricho, Piccy, London



NEWS FROM WINDSOR

As you know, the supply of many of our products have, during the past few years, been limited by a bottle shortage. This has now been overcome and bottles and cartons are not charged and are non-returnable

We are starting a press advertising campaign this year planned to support every Roberts Windsor line. Advertisements will be appearing at regular intervals in newspapers throughout the length and breadth of Britain

**ROBERTS
WINDSOR SOAP Co Ltd**

Established at WINDSOR for over 100 years



Containers of Metal
Glass, Aluminium
and Plastic

Tel: Hop 0516 (6 lines)
Percenta House, 130/2 Tooley Street, London, S.E.1.

**GLASS TABLET TUBES
ACCURATE MACHINE MADE
ALL SIZES EX STOCK
E. D. Watson, Beeston, Notts.**

SHADEINE FOR GREY HAIR

FIFTY YEARS
REPUTATION

All shades. Two sizes
only at present. Re-
tail prices 2/8 and
5/- (including Pur-
chase tax).



**STOCKED BY ALL LEADING
WHOLESALEERS**

OF SPECIAL INTEREST TO CHEMISTS - AND TO THEIR CUSTOMERS



THE NEW KORAY *Elite* DISPLAY CONTAINER & DISPENSER

Created especially for the chemist's counter, this new unit, made throughout of gleaming chrome-plated brass, is at once a lastingly attractive showpiece, a useful dispenser and valuable sales creator. It is supplied complete with six KORAY 28's and twelve KORAY 28's (the retail value of which, alone, is 38s.) for 30s. including delivery. Order your Elite Display Container and Dispenser now from your wholesaler. KORAY LIMITED, KORAY HOUSE, 25, HANOVER SQUARE, LONDON, W.1

A battery of hair beauty



Behind them is the nation-wide reputation and glamour of the Steiner salon—ensuring immediate sale and appreciably adding to the reputation of the retailer who sells them. Every one of them offers good profit margins and all-the-year-round turnover.

Retail Prices including purchase tax :

'S3' 4/9 and 9/- Brilliantine 5/6
Sebosyn 10/- Blue Essence 5/-



Write for trade terms to :

DOBSON & STEINER LIMITED
66 GROSVENOR STREET W1 MAYFAIR 8740

'Sleek'

TRADE MARK

PLASTIC ADHESIVE STRAPPING

'Sleek', the up-to-the-minute zinc oxide strapping, is the latest development in the surgical plaster field. Its smooth, plastic surface resists water, oil and antiseptics, and discourages dirt and stains. 'Sleek' cannot fray or catch in clothing. Flesh-coloured, inconspicuous. Plentiful supplies now available. On spools, 5 yd. lengths, 1" and 2" widths.



Herts Pharmaceuticals Ltd., Welwyn Gdn. City, Herts.

KOKO won't be shelved!

Koko is a new shampoo that keeps moving off your shelves. Here's a quick-flash summary about it:

- 1 It's a hair-conditioning Cream Shampoo; enough for five hair washes in each tube.
- 2 It's advertised in a new way — as a cosmetic for the hair.
- 3 Customers who try it always want further supplies.

There's a handy dozen display outer. All wholesalers have stocks and showcards are available.

Get in this quick-selling line right away.

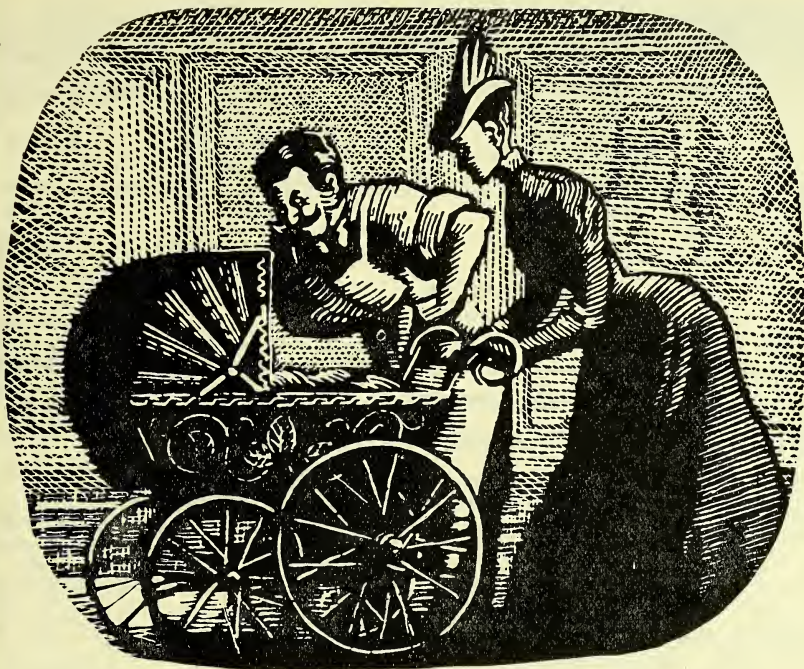


PURCHASE TAX AND PRICE REDUCTION

Terms to Wholesaler 16/8 per doz. To Retailer 19/7 per doz. Purchase Tax 6/7 * New Retail Price 3/- including tax

Made only by

Koko-Maricopas Co. Ltd., 3 Fleet Lane, London, E.C.4
Makers of the well-known Koko for the Hair



*"Remarkable paternal
resemblance, Ma'am"*

MR. COLLINS was in a very high class way of business—he had bill-heads to prove it. And madam was a very modern young woman in spite of the fact that she wore 400 coupons worth of clothes at a time. She was feeding young Percival on M.O.F., the latest idea in infant nutrition. Mr. Collins supplied it.

M.O.F. made its first appearance in Scotland in 1887: George Bernard Shaw was a promising young man of 31 and Wilbur Wright had not yet bothered to invent

the aeroplane.

In 1941 M.O.F., now modernised in line with the latest ideas on infant nutrition, came to England. This fortified infant cereal found an immediate welcome. Soon pediatricians, Infant Welfare Clinics and Health Visitors were recommending it. Mothers found it economical and easy to prepare. Infants liked it.

And little Percival? He grew up to be a very dutiful son and married a girl from Fulham.

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A. & R. SCOTT LIMITED, WEST MILLS, COLINTON, EDINBURGH

MISCELLANEOUS OPPORTUNITIES

Glyceryl Mono Stearate, Cetyl Alcohol, Glycerine, Stearic Acid, Petroleum Jelly, Spermaceti Wax, Triethanolamine, French Tale, Zinc Oxide and Stearate, Iso Propyl Alcohol, Liquid Paraffin, Caustic Soda, Lanoline, Nail Varnish, Gums, Waxes, White and Essential Oils.

All Fine and Heavy Chemicals.

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and
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J. J. VIGON & CO

30 Fenchurch Street, London, E.C.3

'Phone : Mansion House 0466-9

FINEST MEDICINAL**NORWEGIAN COD LIVER OIL**

Enquiries invited for Home and
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who supply Toilet, Perfumery
and Pharmaceutical Bottles
for the Home Trade, as well
as for Export, have moved to
larger premises at:

CARLTON HOUSE, REGENT ST., S.W.1
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● IMPORT

● EXPORT

GELATINE

Edible Technical

GLUE

Bone Skin

MORGAN, KORDA & CO., LTD
9 Great Pulteney Street · London · W.1

**Special Clearance
Stock Offer**

700 gross, round Compact Powder
Puffs, 2½ inch, in attractive floral
and plain colourings. Bargain price
24/- gross.

Write or phone for samples

Dept. M., 27 Beverley Court, Chiswick,
London, W.4. Tel. No. CHiswick 3110

PRE-PACKING & LABELLING

(We can now accept fresh orders)

LIQUIDS: From Bulk into any size bottle
from ½ oz.

POWDERS & TABLETS: Mixed and packed to customers
Specifications.

J. H. WISEMAN & CO. LTD.
100 Blackstock Road, Finsbury Park, N.4.

SUPERLATIVE VALUE ! Test for
yourself at our cost: Toothbrushes and
Combs at little over HALF prices. Send
for list, or 6d. in stamps will bring you
samples.

VALE CO., 11 Vale St., Clayton, Manchester, 11

TINS

ALL SIZES . . .

from ½ Pint to 1 Gallon in Lever Lid
Type and Screw Neck Varnish Tins.

Enquiries for Regular Supplies to:—

BOX 3/423

PUNCH & DIE SERVICE

All types of Punches and Dies refaced
and reconditioned, including Multiple
and Special Shapes. Single Sets by return.

**W. J. NEVE, Whitecliff, Sutherland Avenue,
Biggin Hill, Kent.** Telephone: Biggin Hill 382

For . . BUSINESS SALES AND PARTNERSHIPS

Apply . COMMERCIAL DEVELOPMENT COMPANY
199 LONDON ROAD · SEVENOAKS · KENT



The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

MAY 15
1948

28 ESSEX STREET, LONDON, W.C.2.

Prevailing restrictions and heavy demand on space necessitate the holding over of a number of advertisements week by week. It is therefore advisable to send instructions as early as possible. All advertisements in this section must be prepaid. Box office numbers 2/- extra.

Vacancies advertised are restricted to persons or employments excepted from the provisions of the Control of Engagements Order, 1947.

SITUATIONS OPEN

6 for 36 words or less, 3d. for every additional word

RETAIL (HOME)

ASSISTANT, part time, unqualified (male) required for high-class business near Charing Cross, W.C.2. Hours to mutual convenience. Write, giving available times, to J. B., 240 Earl's Court Rd., S.W.5.

BIRMINGHAM. Qualified manager required, for d-established business, with reasonable dispensing connection. Permanency offered to right person, male or female. Salary and commission offered. L. Highfield, Ltd., Bearwood Rd., Smethwick, Staffs.

BRIDLINGTON. Qualified branch manager (either x) to take charge of modern shop with two girl assistants. Full particulars to Spinks, Chemists, 62 Beverley Rd., Hull.

DURHAM. Young qualified manager required (must be ambitious). Permanency if suitable, with possibilities of future directorship. Duties, to take charge retail department and light manufacturing, main branch of old-established retail and wholesale firm. Only Box 3/490.

DERBYSHIRE. Market town. Vacancy occurs for senior assistant in old-established, good-class business. Comfortable berth to right man. Apply, giving particulars of experience, salary, etc., in first instance, to Box 3/622.

EXPERIENCED PHARMACIST required to manage a business in market town in Hertfordshire. Good house will be made available to applicant with previous experience of this type of business, and able to build up neglected dispensing connection. Permanency. Apply Box 3/612.

GUERNSEY, CHANNEL ISLANDS. Wanted, good unqualified male assistant for counter and dispensing, etc. Applicant should be good window display man. Permanent and congenial post offered to right man. Write C. Stonelake & Co., 5 Smith St., Guernsey.

LENSINGTON. Manager required for pharmacy in high-class district. Ability to build up dispensing connection essential. Living accommodation and good salary. Apply Box 3/611.

LEEDS. Experienced assistant required, qualified or unqualified, for cash retail and dispensing business, on half-day or holiday duties. Good hours and conditions. Permanent position. Hirst, 365 Harehills Lane, Leeds.

LIVERPOOL, northern suburb. Qualified senior, either sex, for good class, busy, and modern pharmacy, able to take complete charge if required. Good experience photographic and toilets desirable. Permanent congenial position; can wait for the right man. Full particulars in first letter, and salary required. Allen Jones, 21 Moor Lane, Great Crosby, Liverpool, 23.

MALE ASSISTANT, young, unqualified, for dispensing and counter. Busy retail shop; congenial and progressive position to right man. State experience, age, references and salary required, to Ivor J. Jones, 410 High Rd., Streatham Common, S.W.16.

MIDDLESEX. A capable pharmacist is required to manage a good-class pharmacy in Twickenham. Good salary to experienced man able to control staff and stock and extend business. Apply Box 3/625.

NORTH LONDON. Energetic young manager (qualified) wanted for a pharmacy in a northern suburb. Living accommodation available. Permanency with good prospects. Apply Box 3/613.

OPPORTUNITY for qualified chemist, lady or gentleman, desiring permanency in progressive post. Must be willing and energetic. Good salary and prospects for the right man. S. London district. Box 3/555.

ORRIDGE & COMPANY Employment Agency, 184 Strand, W.C.2. Temple Bar 9212/3. Branches at Southampton and Birmingham. Enquiries invited from pharmacists and unqualified persons requiring situations. Many attractive vacancies available. Excellent opportunities existing in progressive permanencies. Locum provided for. No charge to employees except registration fee. Apply to 184 Strand, W.C.2, in first instance.

PHARMACIST with optical qualification required for busy market town pharmacy. Good salary and commission on profits. Modern house away from shop available. Brownlow, Chemist, Melton Mowbray.

PHARMACIST-OPTICIAN required for large, modern and old-established pharmacy in pretty West Wales town. Salary will be good and an interest given immediately in the optical dept. Later, an interest in the whole business will be available. Box 3/669.

POOLE, DORSET. Qualified assistant (male, about 22-35 years) mainly dispensing in high-class business. Permanency. Reply H. & J. Lewis, Ltd., 209 High St., Poole.

SAVORY & MOORE have a vacancy for a pharmacist, male or female, at their branch in Brighton, also in Oxford. Excellent opportunity of obtaining a really first-class dispensing experience. Generous salary paid, with good prospects of advancement. Superannuation scheme available.

THE WHALEY BRIDGE AND BUXTON Co-operative Society, Ltd. invite applications for the position of branch manager at their Buxton pharmacy. Optical qualifications an advantage. Excellent self-contained flat available in residential quarter. Pharmacy commenced 18 months ago and present sales approx. £110 per week. Optical section recently opened. Very considerable scope for sales expansion. Vacancy due to internal promotion. Superannuation scheme (with transfer clause) in operation. Applications, stating age, experience, and wages required, to the General Secretary and Executive Officer, Buxton Rd., Whaley Bridge, Nr. Stockport.

SOUTH LONDON. Pharmacist, used to good-class family business, wanted shortly to manage branch near the Crystal Palace. No living accommodation, but satisfactory terms offered to capable man. Apply Box 3/610.

STEPNEY, E.1. Pharmacist required to manage a working-class main road business, with brisk counter and heavy N.H.I. Good terms offered to really competent man, including living accommodation in a suburban area. Permanent appointment. Apply Box 3/609.

THE BRIGHTSIDE & CARBROOK CO-OPERATIVE CHEMISTS, LTD., have vacancies for branch pharmacists. Permanent progressive position, good conditions and salary; superannuation scheme (with transfer clause) in operation. Apply to the Superintendent Chemist at the Registered Office, 32 Sycamore St., Sheffield, 1.

THE ROYAL ARSENAL CO-OPERATIVE CHEMISTS, LTD., invite applications from qualified pharmacists as branch managers. Permanent and progressive positions. Superannuation scheme in operation. Write for particulars of salary and commission scheme to the Staff Manager, 113 Powis St., Woolwich, S.E.18.

TIMOTHY WHITES & TAYLORS have a number of vacancies for managers in the Metropolitan and Greater London area. Applications are invited from pharmacists with managerial experience. Satisfactory conditions of employment, including pensions scheme, available to suitable applicants. Please apply to Mr. W. E. Stokes, M.P.S., 70 Vauxhall Bridge Rd., London, S.W.1.

TIMOTHY WHITES & TAYLORS require a number of pharmacists for relief duties in the Greater London area during the coming season. Short or long periods acceptable. Previous multiple experience not essential. Liberal terms offered. Apply to Mr. W. E. Stokes, M.P.S., 70 Vauxhall Bridge Rd., London, S.W.1.

TWO QUALIFIED LADY PHARMACISTS required by well-established chemists in the West End. Apply Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Rd., London S.W.1. Phone Victoria 2204.

UNQUALIFIED lady assistant wanted immediately. Duties mainly counter. Hours, 9-6. Williams, Chemist, 53 Moreton St., St. George's Square, S.W.1.

UNQUALIFIED MALE ASSISTANT required, age 30-35. West End experience preferred. Apply, Superintendent Chemist, Heppells (1932), Ltd., 70 Vauxhall Bridge Rd., London, S.W.1. Phone Victoria 2204.

WANDSWORTH, S.W.18. Pharmacist required to manage a family business (dispensing) in good-class residential area. Permanent appointment; good salary and conditions. Regret no living accommodation. Apply Box 3/608.

WESTON-SUPER-MARE. Assistant required beginning of June. Qualified or unqualified. Good dispenser necessary. Apply, The Managing Director, Lewis Wing, Ltd., 86 Regent St., Weston-super-Mare.

YOUNG PHARMACIST, recently qualified, and well-trained, required for high-class pharmacy. Excellent prospects. Apply Philip Harris, 144 Edmund St., Birmingham.

RETAIL (OVERSEAS)

CEYLON. Junior chemist, qualified, for large departmental store. Single. Initial engagement of 4 years, passage paid out and home. 6 months' home leave with half pay and free passages if engagement renewed. Generous terms, including cost of living allowance, provident fund and other benefits. Write, with full particulars of experience, etc., to Box P.291, Willing's, 362 Grays Inn Rd., W.C.1.

LOCUMS WANTED

A QUALIFIED LOCUM (male) required for first fortnight in September or nearest. Early Bunn, Ltd., Chemists, 95 High St., Chelmsford, Essex.

BIRMINGHAM. Qualified locum required periods June 14 to 26 and July 19 to August 28. Arrangements could be made to ease work for an elderly person. C. L. Highfield, Ltd., Bearwood Rd., Smethwick, Staffs.

LOCUM REQUIRED for either weeks 1 and 2 or 2 and 3 in July in Shire. Apply Calvert's, Chemists, Belper, Derbyshire.

NORWICH. Locum pharmacist required for dispensing department, July 5 to 10 and August 23 to 28. Jarrold & Sons, Ltd., 1 to 7 London St., Norwich.

QUALIFIED LOCUM required from June 7 to July 17 inclusive, and from August 9 to September 18 inclusive. Must be able to take full charge. No half-day or Sunday duties. Goldthorpes, 10 Powis St., Woolwich, S.E.18. Woolwich 0403.

WHOLESALE

SALES MANAGER required in London. Applicant must be a Pharmacist, experience in correspondence, Sales literature, controlling representatives, etc. Excellent prospects and a good salary will be paid to the successful applicant. Please reply giving age, experience, etc., in confidence, to Box 0194. Greenly's Ltd., 5, Chancery Lane, W.C.2.

ANALYST, with Ph.C. or equivalent qualification, required for analytical control of incoming, in process and finished materials. Extensive manufacturing experience not essential but applicants should be capable of controlling, organising and accepting responsibility for their work. Position offers good prospects. Write "Director," Hough, Hoseason & Co., Ltd., Atlas Laboratories, Levenshulme, Manchester, 19.

ANALYST, B.Pharm., or Ph. C., required for examination of Pharmaceuticals. Previous experience preferred but not essential. Salary in accordance with qualifications and experience. Apply initially in writing quoting reference No. 1440 to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

AN UNUSUALLY good opportunity occurs for representatives with well-established connections amongst leading stores and first-class hairdressers in all big provincial towns. We are importers of a famous French perfume which is on sale in most of London's leading stores and also wish to distribute it outside London. Good commission on all initial and repeat orders. Apply with full particulars of present territory covered and companies represented. Box 3/633.

APPLICATIONS INVITED by old-established manufacturers of disinfectants and agricultural and horticultural products for a traveller to work under senior sales representative covering London and the South of England. Salary and expenses basis. Sound opening for keen worker. Write, stating age, particulars of education and business experience. Replies treated in confidence. Box 3/641.

CHEMIST, qualified, wanted; modern lab., analytical control raw material and finished products, B.P. medicines and foods. State age, qualification, proposed commencing salary to Managing Director, Burdall's Ltd., Hillsborough, Sheffield, 6.

EXPERIENCED REPRESENTATIVES required with connection chemists, hairdressers, stores. Co-ops., etc., wholesale and retail, to carry quick selling and repeating line on good commission terms. State area covered. Box 3/601.

COMMISSION AGENTS required to sell to chemists and druggists in several areas, including London, nationally advertised patented line. Full sales aids, including lists of customers, provided. Energetic men with proved sales records and good connections should send full details of lines now carried, territory covered, whether car owner and frequency of call on customers, to Box No. 254, Dorland, 18-20 Regent St., W.1.

EXPERIENCED, unqualified, male required as assistant to pharmacist in charge of dangerous drugs and schedule poisons department of well-known Manchester manufacturing and wholesale chemists. Position offers permanent and progressive employment to the right man. Apply, stating full details of age, experience, etc., to Director, Hough, Heseason & Co., Ltd., Atlas Laboratories, Levenshulme, Manchester, 19.

EXPORT ADVERTISING manager required by firm of Manufacturing Chemists in London. Previous experience essential. Permanent and progressive position. Write giving full details, including age, etc., to Box 0189, Greenly's Ltd., 5 Chancery Lane, W.C.2.

HEAD CHEMIST and works manager for proprietary manufacturing chemists, North of England. Wide knowledge of manufacturing and production required, also modern and up-to-date methods of packaging. Range of products includes creams, ointments, pills, tablets, etc. Write Box 3/605, giving fullest particulars, experience and positions held, including present employment, in confidence. State salary required and when available.

HOPKIN & WILLIAMS, LTD., require Chemists and juniors for their St. Cross Street Laboratories, E.C.1., or analytical and preparative work.

JUNIOR OFFICE ASSISTANT required, some knowledge of typing and the chemical trade desirable though not strictly necessary. State age, experience, salary required. Good opportunity to learn chemicals trade. London appointment. Box 3/616.

KARBO, LEYTON, E.10 require an experienced representative calling upon chemists in the South of England, including parts of London, to sell famous speciality chiefly. Write only, stating experience, age, and salary required. Part time will be considered.

LONDON TRAVELLER and two provincial required by wholesalers for toilet and fancy goods departments. Good connections essential. Car owners preferred. Salary, commission, expenses. Particulars, age, experience, connection, Sales Manager, Box 3/637.

LONDON SHIPPING HOUSE offers good position to capable person with knowledge of chemicals and pharmaceuticals. Possibly connections in this country as well as overseas. Some typing knowledge necessary. Box 15573, Urbach's Advertising Office, 63, Lancaster Grove, London, N.W.3.

LIVERPOOL AND MANCHESTER. Well-known Yorkshire Manufacturing Chemists require live representation in Liverpool and Manchester. Applicants will be considered from representatives who are well connected with Chemists in this area, and who can introduce a considerable amount of business in high-class packed and bulk pharmaceuticals and galenicals. Applicants should give full details of age, qualifications, and experience, which will be treated in strict confidence. Box 3/665.

MENLEY & JAMES Limited will have vacancies in September for medical representatives to carry out propaganda to doctors in the following territories: (a) South-East London, Kent and Sussex; (b) South Wales, Monmouth, Herefordshire and Gloucestershire. Previous experience is not essential, but some medical or pharmaceutical knowledge is preferred. The successful applicants will be required to undergo a course of training. Write giving full details of age, experience, qualifications, etc., to 123 Coldharbour Lane, S.E.5.

MANUFACTURERS of hypodermic syringes seek representatives on commission throughout the country. Reply, stating territory covered and terms. Box 3/620.

MANUFACTURERS of branded sundries for the chemists' trade require Continental representative age 35-40. Applicants must be capable salesmen with successful records. Full details to Box 3/565.

MANUFACTURERS of pharmaceutical specialities extending activities have vacancies for representatives or sole agents in the following areas:—(1) London Postal Districts. (2) Kent, Surrey, Sussex, Hants. (3) West Country. (4) North Lancashire. (5) Wales. (6) Eastern Counties. (7) Scotland. Products of first quality in packings that provoke trade admiration and inspire representatives' enthusiasm. Existing retail and wholesale chemists and Co-op. accounts transferred. Fullest support extended. Applicants must provide proof of ability, experience and energy to develop goodwill and exploit advantages offered. Fullest details in confidence, including age, territory, if car owner, frequency of calls, method of remuneration preferred, etc., Box 3/615.

OLD-ESTABLISHED firm of wholesale and manufacturing chemists, require a representative for Lancashire and Cheshire. The position is a progressive one, including salary, commission and expenses. The applicant must have experience in selling pharmaceutical preparations, etc., to doctors and retail chemists, and must be a car driver. Please apply, giving full details to Box 3/592.

PILL AND TABLET COATER. Experienced in all types of coating work, resident in London area, required by manufacturing chemists working 5-day week. Apply with full details of past experience, age and salary required, to Box 3/585.

PRICING CLERK for drugs, galenicals, patents and proprietary articles required. Previous experience and knowledge of wholesale pharmaceutical trade essential. Write, stating experience, salary required and quoting references, to Hough, Heseason & Co., Ltd., Atlas Laboratories, Levenshulme, Manchester, 19.

REPRESENTATIVE required by old-established London house for Midland territory. Applicants should have live connection with retail chemists and preferably some previous retail experience, not necessarily qualified. Please state age, experience and remuneration required to Box 3/584.

REPRESENTATIVE (aged about 25) required for North of England, to develop sales of aromatic chemicals, compounds and specialities. Apply initially in writing quoting reference No. 1434 to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

REPRESENTATIVE required for London and Southern Counties by manufacturers of well-known branded lines selling to wholesale chemists' sundries houses. Applicants should be first-class salesmen of proved ability. Full details to Box 3/566.

REPRESENTATIVE REQUIRED for Eire, by manufacturers of surgical dressings, sanitary goods and druggist sundries. To call on chemists and drapers (sanitary goods only). Salary, commission and expenses. Box 3/606.

REPRESENTATIVES required for S. Wales and Warwick area. Salary, commission and expenses. Box 3/653.

REPRESENTATIVES required to sell Medicated Pastilles and similar lines on commission basis. Only those with first-class trade connections need apply. Box 1/3, Harwood Press (Advertising), 47 West St., Harrow, Middlesex.

REPRESENTATIVES with established connections with chemists and hairdressers (wholesale and retail) required for all areas by old-established manufacturers of nationally advertised toilet preparations. Salary and Commission. Box 3/668.

REPRESENTATIVES on commission basis required for well-known brand of moth preparations, water softeners, etc. Send full particulars of district covered. Box 3/630.

REPRESENTATIVE REQUIRED by firm of manufacturing chemists to call upon doctors, chemists and hospitals in connection with high-class ethical pharmaceutical products. Salary, commission and expenses basis. Area, Essex and portion of Eastern Counties. Applicants must reside on the ground. Box 3/657.

REPRESENTATIVES required for (a) Warwicks, Worcs, Shrops and Staffs, (b) Bristol and S.W. Counties, by manufacturing chemists marketing nationally advertised branded line and other products. Essential qualifications: Well-established chemist connection; own car and first-class sales record. Remuneration: Salary, car allowance, hotels and commission. Send full details with copy references. Box 3/536.

REPRESENTATIVES required by well-known manufacturer of toilet preparations and hairdressers' sundries, to visit existing connections of hairdressers in the following areas: Glasgow and West of Scotland, Northumberland, County Durham, Midlands. Will only those gentlemen please apply who can claim long standing connections to the trade. Car owner preferred. Good remuneration. Box 3/651.

REPRESENTATIVES WANTED on commission basis for high-grade established and advertised beauty preparations for Northern Ireland and Scotland (one each). Vacancies only suitable for established representatives who carry non-competitive high-grade toilet preparations. Give references and name of products you carry in first letter. Box 3/652.

SALESMAN REQUIRED by provincial house to call upon hospitals in connection with surgical instruments. First-class connection available and applicants should have thorough knowledge of surgical instrument trade. Apply with full details of experience, age and salary required, to Box 3/602.

SALES REPRESENTATIVES required for old established company, to call on chemists and stores in London and the Provinces, to sell well advertised toilet preparations and counter specialties. Only men with good connections and experience need apply. Write in confidence, stating territories covered, to R. Hovenden & Sons, Ltd., 41-53 Britannia Row, Islington, London, N.1.

SOUTHERN COUNTIES. Well-known toilet preparations house has established connection vacant for representative calling upon hairdressers, stores, and chemists. Wholetime, salary and commission. Must be resident in South. Apply, giving full details, Box No. G.A. 442, 4/7 Salisbury Ct., Fleet St., E.C.4.

SOUTH WALES. Well-known Yorkshire manufacturing chemists require live representation in South Wales. Applications will be considered from representatives who are well connected with chemists in this area, and who can introduce a considerable amount of business in high-class packed and bulk pharmaceuticals and galenicals. Applicants should give full details of age, qualifications, and experience, which will be treated in strict confidence. Box 3/631.

SPONGES. Travellers/representatives calling chemists, stores, Co-ops., hairdressers, wanted all areas. Commission only. For particulars, write Box 3/664.

TABLET MAKER experienced in handling single punch and rotary machines required by a well-known firm of manufacturing chemists in N.W. London. This is an excellent opportunity for a steady and reliable man. Please write stating age, experience and salary required to Box 3/623.

TRAVELLER required by provincial manufacturing chemists to call upon doctors and chemists in South London. Apply, giving full particulars, to Box 3/676.

YOUNG enthusiastic representative required by firm of world repute to call on chemists and other outlets in Northern Ireland for medicinal proprietaries, toiletries, surgical dressings, etc. Apply giving experience, age, whether married, car driver, and salary required, to Box 3/520.

THE BRITISH DRUG HOUSES, LTD., invite applications from pharmacists to fill vacancies on their medical representative staff. The territories concerned include N.W. England, Southern England (Hampshire, Berkshire, etc.), N.E. London and the Eastern Counties. Previous training is not essential, but applicants should be keenly interested in therapeutics and modern trends in medicine; they should be of good address and have a pleasing personality. Apply by letter, giving full details to the Personnel Manager, REF./AS, The British Drug Houses, Ltd., Graham St., London, N.1.

WHOLESALE (OVERSEAS)

ASST. WORKS CHEMIST for pharmaceutical manufacturing company in Bombay. Pharmacist or B.Sc., with manufacturing experience. 3 years' agreement, first-class passage. Liberal terms. Provident fund. Age between 24-30 years. Excellent prospects to man with initiative and energy. Managing Director now in London. Applications with full particulars to Box 3/654.

SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

CHEMISTS' ASSISTANT or dispenser; permanent or temporary; dispensing, counter, photography, windows. Abstainer, unqualified. Dispenser, 320 Cowbridge Rd., Cardiff.

STOCK TAKING, quiet and efficient workmanship, over 30 years' practical experience. Personal supervision. C. W. Playfoot, 8 Aylward Rd., Merton Park, S.W.20. Tel. Liberty 4104.

WHOLESALE

A FIRST-CLASS REPRESENTATIVE with excellent connection chemists, departmental stores, London and Middlesex, desires change with firm of repute, highest references, salary, commission, expenses. Box 3/655.

ADVERTISER. Sales manager (39), desires change, London area. 15 years' experience. Excellent connections with leading wholesale buyers. Good organiser and used to working on own initiative. Linguist and widely travelled. First-class references. Box 3/482.

EXPERIENCED COATER seeks situation, lifetime's experience of panwork. Box 3/600.

EXPORT. Travelling representative requires post (salary and commission) with reputable firm. Foreign formulae, propaganda material and market research at disposal. Interview, Manchester or London. Box 3/662.

FIRST-CLASS Representative with nearly 25 years' sales experience, well established London and adjoining Counties with wholesale and retail chemists' trade, requires full-time representation. Salary, commission, expenses. Small sundriesmen please do not reply. Box 3/674.

IRISH CHEMIST (30) gent, desires representative or travelling position in Eire. Excellent connection, keen. Write Box 3/478.

PHARMACIST, wide experience retail, including medical propaganda, thorough knowledge office organisation, salesmanship, commercial art, returning civil life from military service in July, will consider appointment where advancement and scope for capabilities can be assured. Box 3/552.

REPRESENTATIVE (35), enthusiastic and ambitious, with established connection among chemists, grocers, etc., desires position with a reputable firm or drug house, Northern Ireland area. Interview sought. Box 3/679.

REPRESENTATIVE with car requires additional line, preferably nationally advertised. Good connections chemists, South Coast. 18 years' experience. Box 3/599.

REPRESENTATIVE with 2,000 live accounts, chemists, Co-ops., etc., both Home and Export, desires change with House of repute. Box 3/629.

REPRESENTATIVE, now with manufacturing chemist desires change; wishes to join reputable and well-established firm. London or South. Salary, expenses and commission. Box 3/626.

REPRESENTATIVE, own car, strong connection thumberland, Durham, N. Yorkshire, with Chemists, department stores, hairdressers, etc., could represent good-class firm, on salary, commission expenses basis. Box 3/671.

REPRESENTATIVE desires change. 9 years present company, representing North and South Ireland. Experienced medical and dental propaganda and retail sales. Have also supervised production, age 35 years. Box 3/638.

SALES MANAGER (F.S.M.A.), with specialised knowledge of marketing, selling and distribution through chemists, chain and departmental stores; thoroughly conversant with sales promotion, sales organisation and all phases of sales management, including export practice. Box 3/667.

SALES MANAGER seeks position in or near London. Experienced most machines. Brown, 10 Parkfield Avenue, Kingsbury, London, N.W.9.

WHOLESALE (OVERSEAS)

SOUTH AFRICA. Experienced pharmacist will undertake commissions for firms of repute. Sailing 27th May. Taking up residence Cape Town. George, Bramley Road, Cheam, Surrey. Phone: Ewell 44.

APPOINTMENTS

INSTITUTE OF HOSPITAL TECHNOLOGY, HANKOW, CHINA

Applications are invited for the post of Pharmacist in the above Institute. Candidates should be B.Ph. and M.P.S., with teaching ability and wide experience in large hospital dispensaries. The Institute is a Christian organisation, and candidates should be in sympathy with Christian medical service, and prepared to accept remuneration at missionary rates. Requests for information, and applications, should be addressed to the China Secretary, Conference of British Missionary Societies, Edinburgh House, 2 Eaton Gate, London, S.W.1.

BROWN AGENTS FOR THE COLONIES

Applications from qualified candidates are invited for the following post:—

PHARMACIST-SECRETARY required by Government of Nyasaland for Medical Department, for initial tour of 24 to 36 months. Salary according to qualifications, experience and war service in the scale £372 a year, rising to £600. Cost of living allowance between £60 and £144 a year, according to dependants. Outfit allowance £30. Free passages and quarters. Candidates, preferably under 35, must be members of the Pharmaceutical Society of Great Britain, and should have had administrative experience in a general hospital. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience and mentioning this paper, to the Crown Agents for the Colonies, 4 Millbank, London, S.W., quoting M/N/21567/3F, on both letter and envelope.

KING GEORGE HOSPITAL, ILFORD, ESSEX.

Applications are invited for the post of Assistant Pharmacist at the above Hospital. Appointment to commence July 1, 1948, with salary according to the J.N.C. Scale.

Applications with full particulars to be made to the Secretary and Superintendent.

KENT COUNTY COUNCIL

Applications are invited for the following appointment at the Willborough Hospital, Nr. Ashford:—

PHARMACIST (M.P.S. or Ph.C.) either sex. Should have had not less than three years' hospital experience after qualifying. Salary £420 per annum, rising by five annual increments of £15 to a maximum of £495 per annum.

Private accommodation in the Sisters' Home can be offered to a female candidate, for which a charge of 25s. a week would be made.

Superannuation. Medical examination necessary.

Applications, stating age, qualifications, experience, and the names and addresses of two responsible persons to whom reference may be made as to professional ability, to be sent to the County Medical Officer, County Hall, Maidstone, as soon as possible.

W. L. PLATTS,
Clerk of the County Council.

County Hall,
Maidstone.
April 28, 1948.

MANCHESTER CORPORATION

Health Department

WITHINGTON HOSPITAL (adult, general), 1,150 beds.

LOCUM TENENS ASSISTANT PHARMACIST (male or female) required for the period June to July 1948, or for any part of that period.

Salary at the rate of £430 per annum for full-time or 5s. 6d. per hour part-time.

Applications, stating age, qualifications and experience, are to be addressed to the Medical Superintendent, Withington Hospital, West Didsbury, Manchester, 20, as soon as possible. 10/5/48.

MIDDLESEX COUNTY COUNCIL

WEST MIDDLESEX COUNTY HOSPITAL, ISLEWORTH, MIDDXX.

(a) **ASSISTANT PHARMACIST, J.N.C.** (Hosp. Staffs) scale, £370 p.a.-£450 inclusive. Similar experience may determine commencing salary. Must hold one of Pharmaceutical Society's qualifications. Whole-time duties under Medical Director and Chief Pharmacist. Established, subject to medical exam.

(b) **LOCUM PHARMACIST** required, immediately, for an indefinite period. Salary 8-10 guineas inclusive, according to experience. Applications to Medical Director of Hospital, stating age, qualifications, experience, with up to three recent testimonials (quoting D.570 CD).

C. W. RADCLIFFE,
Clerk of the County Council.
Middlesex Guildhall,
S.W.1.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST required at **HAREFIELD COUNTY HOSPITAL, Harefield, Middx.** J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole-time, unestablished, possible establishment, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to 3 recent testimonials, to **MEDICAL DIRECTOR** at Hospital, **IMMEDIATELY** (quoting E.146 CD).

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary. Whole time, established, pensionable, subject to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to **MEDICAL DIRECTOR of Hospital** immediately (quoting D.591). No forms.

C. W. RADCLIFFE,
Clerk of the County Council.

REDHILL COUNTY HOSPITAL, EDGWARE, MIDDLESEX.

REGISTERED ASSISTANT PHARMACIST required. J.N.C. (Hosp. Staffs) salary £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Whole-time, established, pensionable, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to three recent testimonials. To **Medical Director of Hospital** immediately (quoting D.815 CD). No forms.

SURREY COUNTY COUNCIL

ASSISTANT PHARMACIST required at: **ST. HELIER COUNTY HOSPITAL, CARSHALTON.**

Commencing salary on grade £370 x £15—£430 x £20—£450 p.a. inclusive.

Applications in writing, stating age, qualifications and experience, with copies of not more than three recent testimonials, should be sent to the **Medical Superintendent of the Hospital**.

COUNTY BOROUGH OF WEST HAM

WHIPPS CROSS HOSPITAL, LEYTONSTONE, LONDON, E.11.

Applications are invited from Registered Pharmacists for Assistant Pharmacist.

Salary and service conditions in accordance with Recommendations of Joint Negotiating Committee (Hospital Staffs) and Council's regulations. Meals at hospital to be paid for.

Applications in writing, stating age, qualifications and experience, together with copies of two recent testimonials, to be sent to **Medical Officer of Health, 225 Romford Road, West Ham, London, E.7**, by May 20, 1948.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

ACTIVE and experienced representatives required in all Districts calling on Chemists only with a new make of Razor Blade to be sold through the chemist only. Commission basis. Details of other lines carried to Box 3/661.

AGENTS wanted all over the country calling on wholesale chemists, Co-ops., grocers and sundriesmen to carry additional nationally advertised lines. Commission basis. Write, giving area covered, and rough details of present lines carried, to Box 3/280.

AGENTS, with good introductions to wholesale and retail chemists, required for old-established line, London and Provinces. Good commission. Box 3/649.

SPECIALITY SALESMAN required by a London firm of distributors to carry additional line of gentlemen's electrical toilet appliances to chemists only, on a generous commission basis. Territories concerned: London, South & West England and Eastern Counties. Write Box No. 220 c/o Maurice Vernon, Ltd., Godliman House, Godliman St., London, E.C.4.

BELGIAN LABORATORY, well introduced in the medico-pharmaceutical corps seeks to add general representation for Belgium and Grand Duché of Luxembourg for British pharmaceutical specialities Box 3/632.

WANTED. Pharmaceutical specialty manufacture to compound and market new tested antichillblain formula, which has been approved and registered by Italian Health and Sanitation Ministry. Interested party please write to: Dr. V. Cappetta, 29 Via Posilipo, Naples, Italy.

WELL-KNOWN FIRM desires to contact a firm of Scottish distributors to handle our products on a sole agency basis. Full support given. Only firm who would be capable of producing results need apply. Box 3/673.

BUSINESSES WANTED

8/6 for 36 words or less, 3d. for every additional word

A LARGE CHEMIST SHOP with dispensing dept. and connection for all proprietary goods. Bus thoroughfare only required. Write to Shanzers, 7, Bethune Rd., London, N.16.

WANTED, any time during the remainder of the year, chemist's business, with accommodation, situated in Bournemouth or near, one requiring a qualified man in addition to owner preferred. Buyer would buy property or lease same. Box 3/475.

WHOLESALE Sundries Business, anywhere South of Birmingham, with turnover £25,000/75,000. Must name records of business pre 1938. Principals and Solicitors, write in confidence, Box 3/617.

BUSINESSES FOR DISPOSAL

8/6 for 36 words or less, 3d. for every additional word

ABERDEEN. Chemist business. Old-established business in populous working-class district for sale together with double shop property. Good turnover and splendid family dispensing business. Satisfactory reasons for disposal. This is an attractive opportunity with security of tenure. For further particulars apply to Hunter & Gordon, Advocates, 222 Union St., Aberdeen.

CROYDON. Chemist Sundries, Toilet Requisites, Cosmetics, Florist. On main road. Net profit, £1 p.w. (Neglected). Scope for increase. D/f shop, 2 departments, room at rear suitable dispensing, 1 reception, 2 bedrooms, scullery. Goodwill, fittings, stock, £600. See below.

SHEFFIELD. Chemist Sundries, Ice-cream, etc. Old-established, on busy main road. Turnover, £35 p.w. S/f shop, separate soda fountain, 1 reception, 3 bedrooms, kitchen, yard. Goodwill, fittings, stock (£350 approx.) £1,000. See below.

N.W. LONDON. Chiropodist, Chemist Sundries. On busy main road. Net profit, £10 p.w. Renewable lease, d/f shop, 3 cubicles, 3 reception, 3 bedrooms, garden. Full equipment. Scope for ladies' hairdressing. Goodwill, fittings, £1,750; stock, £300 approx. See below.

NATIONAL BUSINESS AGENCY LTD. will be pleased to supply details of the foregoing and many other propositions. Apply, Sales Dept., 39 King William Street, London, E.C.4. **MANSION HOUSE 2748.**

DOUBLE-FRONTED SHOP. Splendid main road position. Toilet requisites, household goods, cosmetics, fancy goods, 2 large glass showcases. Cash register. Large office. We have the shops either side let off to businesses: (a) Toys and baby linen, at £400 per annum exclusive, (b) Multiple Furnishing, Ltd., at £600 per annum exclusive. This leaves our business rent free. Lease 21 years—19½ years unexpired. Price, £2,000, plus stock at valuation, for business as going concern and lease of the three shops. To view, write to Angel Warehouse Co., Ltd., 74 Upper St., Islington, London, N.1.

FOR SALE. Well-established Drug Store with accommodation in large East Midland town. Average weekly takings, £45. Rent and rates, 18s. p.w. Price, £1,200 includes goodwill and fixtures. Stock at valuation approx. £850. Suitable position for pharmacy. Box 3/604.

ANGLIAN COAST. Drug Store established years, main thoroughfare shopping centre, excellent opportunity pharmacist, N.H.I. in great demand. Position, good living accommodation, all first-class agencies, Kodak and Selo, large D. and P. Price to include freehold, goodwill and fixtures, £4,500, s.a.v., or near offer. Full particulars principals only, no agents. Box 3/618.

TH WEST LONDON. Main road cash business; active pharmacy with arcade front; turnover £140 per week, with scope for further increase; valuable lease. Modern house, conveniently located, available for purchase at reasonable figure, substantial part of which could be raised on mortgage. Price of business £4,950 including stock and fixtures; excellent opportunity. Box 3/636.

KEY. High-class business in congenial residential area; turnover exceeds £6,000 per annum; active and nicely fitted lock-up pharmacy; sound in for selling; net profit to working proprietor £1,500; total price approximately £4,750; offers considered. Box 3/635.

WBLEY AREA. Middle-class business, spacious pharmacy well fitted; turnover approaching £7,000 annum (has done appreciably more). Flat sub-main road position; goodwill, £2,400, plus stock fixtures at valuation. Box 3/634.

WLESALE Manufacturing Business, neglected, excellent scope. Price, stock, fixtures, fittings, small will £1,250. Box 3/603.

WLESALE AND RETAIL. Surgical appliance manufacturing business. Established well over half century. Freehold premises. Stock and machinery, goodwill, etc. Owners retiring. Multiple stores and benefit by great scope for expansion. Further particulars apply Box 3/614.

BUSINESS OPPORTUNITIES

for 36 words or less, 4d. for every additional word

ORRIDGE & COMPANY

in extending their activities as
BUSINESS TRANSFER AGENTS,
EMPLOYMENT AGENTS AND VALUERS
are establishing a business in the

UNION OF SOUTH AFRICA.

inquiries from Pharmacists contemplating emigration are invited. Mr. S. V. Brown, a Principal of the firm, is leaving for South Africa on November, 1948, and will be pleased to accept any commissions or instructions.

CHEMICAL MANUFACTURERS have plant available for the manufacture of Fatty Acid Esterifications. M. L. F. Chemicals & John Street, Leeds Road, Dewsbury.

DO YOU A PRODUCTION PROBLEM? Consult-Production Engineer will give confidential advice problems arising from the manufacture of all types of household and toilet preparations. Specialisation in the production of synthetic detergent tablets in powder. W. J. McConnell, 97 Venner Road, London, W.C.2.

SPANISH-AMERICAN Chemical Engineers desire cash relations with Export divisions of English companies for sale or representation of machinery and industrial products in all countries of Spanish language. Rubio & Aurioles, Mosqueta, 97, Mexico, D. F.

IDEAL SITE available for Chemist or Druggist kiosk on an East Coast Pier, just re-opening. Apply Box 3/627.

LIMITED COMPANY, small but financially sound, wishes to purchase or combine with firm, in or near London, interested in food, pharmaceutical, toilet or allied products. Wide experience in production, selling and advertising—by mail order or through trade—home and export. Box 3/597.

MANUFACTURING CHEMISTS have facilities and space available for the manufacture, packing and bottling of domestic, toilet and industrial products. Frank Macowal, Ltd., 30 Loughborough St., S.E.11. Tel.: Reliance 3435.

NO TAX RETURNS. No book-keeping. No accounts. No worry. Save time and money by using our unique service for the small business. Write for explanatory booklet. Executives (London) Ltd., Dept. 35, 213 City Road, London, E.C.1.

OPPORTUNITY to acquire successful manufacturing concern of famous brands of Insecticides, Polishes, Varnish Stains, etc. Advertisers having to discontinue in 1942 are open to negotiate to re-start. Customers including leading multiple stores anxious to resume lines. Advertisers seek alliance with firms of good standing in similar or Allied products, having available tins, bottles. Royalty, partnership or other satisfactory proposition. Highest references expected and given. Replies to Box 3/595.

REPUTABLE FIRM has facilities for bottling and packing toilet and pharmaceutical products. Box 3/672.

REPUTABLE FIRM required to handle sales and development of liquid shampoo on national basis. First-class product already repeating in leading stores and chemists. Box 3/666.

TABLETS. A well-known food manufacturing company have available tableting capacity. Large quantities can be handled quickly and efficiently under hygienic conditions. Complete packaging can be arranged if required. Inquiries to Box W.731, Haddons', Salisbury Sq., London, E.C.4.

WANTED concern for manufacturing and marketing tried and approved excellent white shoe cream. For characteristics and details please write to: Dr. V. Cappetta, 298 Via Posilipo, Naples, Italy.

WELL-KNOWN Manufacturing Chemists have available manufacturing capacity and could handle additional lines. Hygienic conditions, facilities to experiment, produce and pack. Write to Box 3/628.

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d. for every additional word

ACCEPT BEST OFFER. 1,000 gross cardboard drums, metal cap top and bottom, 3 1/2" x 1 1/2" dia. 20 cwt. covered elastic threads 24" long. 50,000 Kraft bags 6 1/2" x 2" wide. 1,200 gross composition tubes 3/8" x 2 1/2" x 3" x 3 1/2" x 3 3/4". 40,000 glass tubes 4.7/10 x 9/10", 65,000 in 2 smaller sizes. 12 cwt. best hand-picked carrageen moss. 10,000 cartons, best new-white board 8" x 2 1/2" x 2 1/2". 5,000 ditto 9 1/2" x 2 1/2" x 2 1/2". 300,000 (Sulphur) cartons 2 1/2" x 2" x 1". 40,000 pulp flasks, plain, green, blue, pink, 4" deep x 2 1/2" x 1 1/2", last three colours with caps. 100 tons Anthracene residue. 13 tons Bagasse flour. 2,586 lbs. dark British gum. 8 cwt. Caltex crater compound. 20 tons arsenical residues. 72 cases 5 x 7 lbs. Tins lubricating grease. 2-10 cwt. almost new Milner safes. Jones, Argyle St., Merthyr.

ACTUAL USERS have the following surplus to their requirements: 28 lb. Bismuth Carb. Levis, 20 lb. Benzyl Benzoate, 8 lb. Diastase, 8 lb. Papain. Offers to Box 3/644.

BOTTLES. Surplus stock, 2, 3, 4, & 6-oz. Plain Flats, 6 oz. Hair Cream: Jars, 6 oz. Deep Amber Panel Flats, all complete with screw caps. Woods, Syke Works, Cleckheaton. Phone 86.

CINCHONA FLECKFEUGE. About 200 ozs. for disposal at very reasonable prices. Apply Box 3/596.

unless otherwise stated, address all replies to Box Numbers c/o THE CHEMIST & DRUGGIST, 28, Essex St., London, W.C.2

DIGLYCOL DISTEARATE: Approximately 900 lb. Available surplus to requirements at market price. Write Box 3/642.

FOR SALE: Large quantity of cartons, size $3\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{3}{4}$ ", brand new, offers to Box 3/660.

FACTORY CHAIRS. New, unused; seven $25\frac{1}{2}$ " fixed seat by Evertaut at 30/6 each; ten $16\frac{1}{2}$ " adjustable seat by Tan-Sad at 52/- each. Almost new No. 0 pin disc mill for 400/440 volts 3/50 cycles, complete with motor and starter, receiving bags, wire brush, spare set air release tubes, by Pascall at £120. One electrical hotplate $12\frac{1}{2}$ " x $8\frac{1}{2}$ " for 230 volts, excellent condition, at £6. Immediate delivery, net, ex works, London. Box 3/677.

FOR SALE. Fittings for a chemist's shop, mahogany fixtures by Curtiss of Leeds. Shop rounds York Glass Co. Further particulars on application to: Woodlands Medical & Sick Room Stores, Woodland Road, Darlington. Masterman's.

For sale on account of Lloyd's Underwriters:—

325 cases pure Mandrucha Honeycomb and Turkey **SPONGES.** The sponges, although sold on Underwriters' account, are in perfect condition. They are offered at approximately 40 per cent. below the present market price, in quantities of not less than one case. Lying in London, where they can be inspected. Specification and details of Perfect, Lambert & Co., Lloyd's Building, E.C.3.

FOR DISPOSAL at clearance prices: 60 gross tall bottles $\frac{3}{4}$ " neck, 32 gross pomade jars $\frac{3}{4}$ " neck. Charles Alexander & Co., Ltd., 74 Portsmouth Road, Surbiton, Surrey. Elmbridge 5764.

MAHOGANY SHOWCASE, 8 ft. x 8 ft. First-class condition, newly polished. Top portion consists of 5-drawers shelves with glass doors, depth 9 inches and 11 inches. Lower portion comprises a set of drawers and three cupboards. Price £98. Apply Comtesse Laboratories Ltd., Chatham Place, London, E.9.

MANUFACTURERS have for disposal the following: 10 cwt. White Talc., 10 tons Calci. Carb. Precip., 5 tons Crex, 12 cwt. Borax, 17 cwt. Bicarbonate of Soda, and would appreciate offers for same. Reply Box 3/643.

NOW AVAILABLE, immediate delivery, Pool White 30 mineral oil, in approximately 40-45 gallon drums, price 5s. per gallon ex wharf, London. Box 3/648.

OFFERS required for whole or part of following: 3 gall. I.P.A., 7 lb. Lanette Wax, 10 cwt. Mag. Carb. Pond., 7 cwt. Mag. Carb. Levis, 7 cwt. Mag. Hydroxide. Box 3/646.

POISONS (Taylor), Mat. Med. (Humphry), Mat. Med. (Southall), Extra Pharmac. V.II, also 6th Edit./91, Vet. Posology (Banham), Diagon. (Barclay), Vet. C. Pract. (C. & D.), Allen's 1st Latin, B.P./67 Medicine (Charteris), Med. Vocab. (Mayne), Diseases of Children (Day), This Chemical Age (Williams), Diary, C. & D./24, Corby's C. of C./72 (Tuson). Any offer for lot. Box 3/621.

SPACE urgently required, manufacturing chemists wish to clear: 4 cwt. Gum Karaya, 20 lb. Gelatine, 56 lb Gum Tragacanth. Box 3/645.

SURPLUS STOCK, 300 gross Cylinder Toilet Bottles, $3\frac{1}{2}$ oz., 120 gross 6 oz., and 125 gross 24 oz. Barley Sugar Jars: 240 gross 1 oz., and 150 gross 2 oz. Pomade Jars: 175 gross 10-oz. Peroxide bottles. Samples and quotations on application. Box 3/624.

THE FOLLOWING useful materials for disposal: 56 lb. Brazilian Menthol, approx. 2 cwt. Brazilian Oil of Peppermint, 30 cwt. Dry Malt Extract, 47 lb. Sulphonated Fatty Alcohol Paste, 56 lb. Sulphonated Fatty Alcohol Powder. Box 3/647.

WE HAVE a surplus stock of bottles and jars, flint, black, 1, $1\frac{1}{2}$ and 2-oz. Will accept reasonable offer for clearance. Duncan, Harris & Co., Ltd., 250 Kensington High St., W.8. Tel. Western 0447.

100-GROSS Composition Sprinkler Containers, size $2\frac{3}{4}$ " x 6" (with metal plugs). New and unused. Offers to L. A. Gray Ltd., Chemist, Taunton.

4-OZ. FLAT PANEL, white glass bottles, screw neck up to 500 gross immediately, and regular supplies 32s. gross, carriage paid. Sample on request. Box 3/650.

210 GROSS 1-oz. BOTTLES (round) with white enamelled screw cap. 8s. 6d. gross. 20 gross wide mouth, 60 c.c. with screw cap, 15s. gross. General Trading Corporation Ltd., 1-5 Jermyn St., S.W.1 Whitehall 8513/4.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

CARTONS, Plain White. $1\frac{1}{2}$ " x $11\frac{1}{2}$ " x $4\frac{1}{2}$ ", 38,000 42s. per 1,000. 4,000 minimum. Manston Medical Products, Ltd., 59 Mosley St., Manchester, 2.

FOR SALE. 3 x 40 drums pure white oil, what offers? Box 3/678.

MAHOGANY FITTINGS, in excellent condition. sets drawers, 7 show cases, 2 carboys, 6 doz stools and sundry other lines in one lot, £65. Box 3/675.

REMAINING stock of assortment of perfume essences in quantities of $\frac{1}{2}$ to 2 ozs.; and a few other items for clearance at half cost and half tax paid. Suit retail chemist packing own toilets. Box 3/607.

VIALS AND CORKS. 103 gross 2 dram plain vials and 600 gross flanged corks to fit. Samples and prices from Box 3/656.

WANTED

8/6 for 36 words or less, 3d. for every additional word

BOTTLES. 26-oz and 13-oz. wine or champagne bottles required. Box 1/853.

GLYCERINE urgently required. Current price paid for small or large quantities. Box 3/509.

GLYCERINE, B.P., required; high price paid. Newlex, 265 Anlaby Rd., Hull.

SACCHARINE TABLETS, standard strength. 500,000 in bulk weekly required by packers to the trade. Sample and C.W.O. terms. Box 3/619.

SMALL Tablet Machine wanted, hand or power operated, to produce tablets up to $\frac{3}{4}$ " diameter. Box 3/639.

STEARIC ACID, triple or good quality double pressed required in large or small quantities. Offers to Box 3/517.

STEARIC ACID, triple pressed, required in large quantities. Box 147/850.

TRIPLE Pressed Stearic Acid urgently required. Glycerine available in exchange or good price paid. Box 3/659.

WANTED. Phenacetin, glycerine, required by manufacturing chemists. Offers to Box 2/407.

WHITE Petroleum Jelly, triple pressed stearic acid and glycerine urgently required by manufacturer. good price paid. Box 3/658.

PREMISES WANTED

MANUFACTURERS wish to rent (or buy) factory premises with office accommodation approximate 5-7,000 sq. ft. Preferably London or South-east England. Box 3/670.

PREMISES TO LET

SHARE two unfurnished City offices. No premium. Box 3/640.

PREMISES FOR SALE

LARGE, modernised, freehold factory, complete with administrative offices for sale. The factory is situated within easy distance of London and has floor area of 8,000 sq. ft. on three floors. There is a further building space of approx. 1,500 sq. ft. included, in the price, which £24,000 is asked. Principals only please, and no agents, write Box 3/598.



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MAY 15, 1948

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